



*2009*

*MISSOURI*

*TRAFFIC SAFETY COMPENDIUM*

**MISSOURI STATE HIGHWAY PATROL  
STATISTICAL ANALYSIS CENTER  
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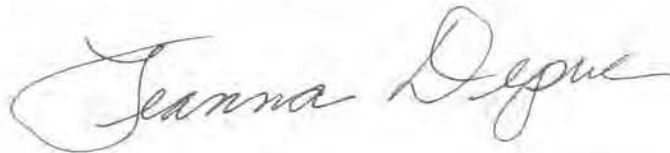
## FOREWORD

The 2009 Missouri Traffic Safety Compendium is the twenty-third in a series produced annually by the Statistical Analysis Center of the Missouri State Highway Patrol working in conjunction with the Highway Safety Division of the Missouri Department of Transportation.

The Compendium contains a compilation of statistics related to Missouri traffic crashes and assists the Highway Patrol and the Highway Safety Division in the identification of specific traffic safety problem areas. Information provided in this document provides the statistical framework to support the annual Highway Safety Plan – assuring that the Plan is evidenced based. This document can also be found online at:  
[http://www.mshp.dps.missouri.gov/MSHPWeb/SAC/publications\\_traffic.html](http://www.mshp.dps.missouri.gov/MSHPWeb/SAC/publications_traffic.html).

I encourage those involved in law enforcement, safety, government, health, education, and grassroots organizations to take full advantage of the information contained in this publication. The insights acquired from reviewing its contents can be an invaluable aid when conducting traffic safety problem identification, planning and making policy decisions. You will be accessing one of the finest traffic records documents nationwide.

If you require more information on traffic safety programs or need additional statistical services, please contact MoDOT Highway Safety Division at 1-800-800-2358 or 573-751-4161.

A handwritten signature in cursive script, reading "Leanna Depue".

Leanna Depue, Highway Safety Director  
MoDOT Highway Safety Division

## ACKNOWLEDGEMENTS

This publication was developed by the Missouri State Highway Patrol to provide Federal, State, and local traffic safety authorities with a comprehensive analysis of Missouri's traffic safety problems. Agencies, such as the Missouri Department of Transportation, Highway Safety Division, rely heavily on this publication in their traffic safety planning processes and to acquire federal grant funding support for traffic safety programs.

Traffic crash data are the primary source of information used in this publication. These data were obtained from the Statewide Traffic Accident Records System (STARS). The Missouri State Highway Patrol, Traffic Records Division, is directly responsible for coordinating STARS as well as encoding all traffic crash reports received by the Division.

Special recognition must be given to all Missouri law enforcement agencies and officers who provide traffic crash investigation services on Missouri's roadways and conscientiously report their findings to STARS. Because of their efforts, traffic safety authorities are able to analyze Missouri traffic crash problems in order to develop policies and programs designed to effectively address them.

A number of agencies contributed to development of this publication. The Missouri Department of Transportation provided information on annual vehicle miles of travel. The Missouri Department of Revenue provided drivers licensing data and updated vehicle registration activity levels.

Finally, the Missouri Department of Transportation, Highway Safety Division, provided the Missouri Statistical Analysis Center with invaluable technical assistance and federal grant funding support from the U.S. Department of Transportation, National Highway Traffic Safety Administration. Both these agencies have, over the years, supported Missouri Statistical Analysis Center efforts in providing information services and publications to traffic safety authorities.



Ronald G. Beck, Director  
Missouri Statistical Analysis Center

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## EXECUTIVE SUMMARY

The purpose of this publication is to provide the Missouri State Highway Patrol, the Missouri Department of Transportation, Highway Safety Division, and other State and local authorities with information on Missouri's traffic crash problems. It is one in a series which is being produced annually.

The primary source of data for the Compendium is the Statewide Traffic Accident Records System being maintained by the Missouri State Highway Patrol. Although this publication contains historical data on Missouri's traffic crash and severity experience, emphasis is placed on the most recent year (2009).

In 2009, Missouri had a total of 152,995 traffic crashes. The economic loss associated with these traffic crashes was estimated to be \$3,318,707,000. In these traffic crashes, 0.5% (786) involved one or more persons being killed in the incident. In addition, 24.2% (36,999) involved no persons being killed but one or more persons being injured in the incident.

In 2009, a total of 878 persons died in Missouri traffic crashes. One person was killed every 10.0 hours. The death rate (the number of deaths per 100 million miles of travel) was 1.3 in 2009. In 2008, the death rate was 1.4.

A total of 53,829 persons were injured in traffic crashes in 2009. One person was injured every 9.8 minutes.

Data are provided in this Compendium identifying causal factors or characteristics of Missouri's traffic crash experience which directly impact the frequency of occurrence or personal death and injury severity levels. A brief analysis of these factors is given below:

- Speed was found to be a significant contributing factor in Missouri's traffic crash experience especially as it relates to crashes involving death and injury. Of all 2009 Missouri traffic crashes, 17.8% were speed related. Of all fatal crashes, 41.1% were speed related. A total of 365 persons were killed and 12,428 were injured in this type of crash. In 2009, one person was killed or injured every 1.0 hour in speed related traffic crashes in the State of Missouri.
- Drinking involvement was a significant contributing factor in Missouri's serious traffic crash experience in 2009. Of all 2009 Missouri traffic crashes, 4.9% involved a person drinking. However, of all fatal crashes, 30.1% had a person drinking. A total of 264 persons were killed and 4,357 were injured in these crashes. In 2009, one person was killed or injured in drinking-involved crashes every 2.7 hours in the State.
- Drivers of motorized vehicles under the age of 21 were involved in a large number of crashes in the State of Missouri. Of all 2009 traffic crashes, 27.3% involved one or more drivers under the age of 21. Of all fatal crashes, 18.4% involved a young driver. Their involvement in Missouri traffic crashes becomes even more significant when it is recognized that drivers under 21 made up only 9.6% of all Missouri's licensed drivers. A total of 160 persons were killed and 15,097 were injured in traffic crashes involving young drivers. In 2009, one person was killed or injured in a young driver involved traffic crash every 53.5 minutes in the State of Missouri.
- Drivers of motorized vehicles 55 years of age and older were involved in a large number of Missouri traffic crashes. Of all 2009 traffic crashes, 31.2% involved an older driver. Of all fatal crashes, 33.4% involved an older driver. A total of 292 persons were killed and 15,712 were injured in these traffic crashes. In 2009, one person was killed or injured in an older driver involved traffic crash every 49.0 minutes in the State of Missouri.
- Commercial motor vehicles were involved in a significant number of Missouri traffic crashes. In 2009, 8.7% of all traffic crashes involved a commercial motor vehicle. When examining fatal traffic crashes, 11.9% involved a commercial motor vehicle. A total of 103 persons were killed and 3,569 were injured in commercial motor vehicle related crashes. As a result, one person was killed or injured in commercial motor vehicle involved traffic crashes every 3.7 hours in the State.

- Although motorcycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly motorcycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 2009, 24.7% resulted in a person being killed or injured. However, in motorcycle involved crashes, 79.3% resulted in a death or personal injury. In 2009, 1.6% of all traffic crashes involved a motorcycle. In fatal traffic crashes, 10.7% involved a motorcycle. A total of 85 motorcyclist were killed and 2,182 were injured in motorcycle traffic crashes. One person was killed or injured in these crashes every 4.5 hours in the State of Missouri.
- Although school buses are not involved in a large number of traffic crashes in the State of Missouri they are important due to their potential for causing death and injury to young children. Of all 2009 Missouri traffic crashes, 0.7% involved a school bus or school bus signal. Two people were killed and 402 were injured in these crashes. In 2009, one person was killed or injured in school bus involved traffic crashes every 46.8 hours in the State of Missouri.
- Although bicycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly bicycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 2009, 24.7% resulted in a person being killed or injured. However, in bicycle traffic crashes, 81.5% resulted in a death or personal injury. Of all 2009 Missouri traffic crashes, 0.5% involved a bicycle. Of all fatal traffic crashes, 0.3% were bicycle related. Two bicyclists were killed and 596 were injured in these traffic crashes. One person was killed or injured in a bicycle traffic crash every 15.1 hours in the State.
- Although pedestrian related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly the pedestrian) being either killed or injured. Of all traffic crashes in the State in 2009, 24.7% resulted in a person being killed or injured. However, in pedestrian traffic crashes, 89.8% resulted in a death or personal injury. Of all 2009 Missouri traffic crashes, 1.0% involved a pedestrian. Of all fatal traffic crashes, 9.0% involved a pedestrian. A total of 71 pedestrians were killed and 1,448 were injured in these traffic crashes. One person was killed or injured in a pedestrian traffic crash every 6.7 hours in the State of Missouri.
- Motor vehicles striking fixed objects account for a large number of traffic crashes in the State of Missouri, especially those resulting in death or personal injury. Of all 2009 Missouri traffic crashes, 20.0% involved a fixed object being struck as part of the first harmful event. In fatal crashes, 40.3% involved a fixed object. A total of 340 persons were killed and 12,128 were injured in fixed object traffic crashes. One person was killed or injured every 54.5 minutes in this type of crash in the State.
- Although hazardous materials are not involved in a large number of traffic crashes in the State of Missouri, they are a significant problem because of their potential for causing death, personal injury, and property damage through the release of such materials in the surrounding environment. Of all 2009 traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.4% were hazardous material related. Three people were killed and 41 were injured in hazardous material crashes. One person was killed or injured in these crashes every 10.4 days in the State of Missouri.
- Construction / other work zones are not involved in a large number of traffic crashes in the State of Missouri. However, they are considered a significant problem because they involve persons working in road construction or other services exposed with little protection to traffic. In 2009, 1.2% of all traffic crashes involved a construction / other work zone. When examining fatal traffic crashes, 0.9% were associated with a construction / other work zone. Seven people were killed and 540 were injured in construction / other work zone related traffic crashes. As a result, one person was killed or injured in this type of crash every 18.2 hours.
- The wearing of seat belts by drivers and passengers in vehicles is one of the best ways to prevent death and personal injury when involved in a traffic crash. The State of Missouri has recognized the benefit seat belt usage has on reducing traffic crash deaths and injuries through the passage of infant restraint and adult seat belt laws in recent years. The effectiveness of using seat belts becomes apparent when considering the following statistics.

A driver of an automobile, van, motor home, or truck involved in a 2009 Missouri traffic crash had a 1 in 2 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt, their chance of being injured was 1 in 8. When examining driver deaths, the difference is much more dramatic. A driver involved in a 2009 Missouri traffic crash had a 1 in 30 chance of being killed if they were not wearing a seat belt. In those cases where the driver wore a seat belt their chance of being killed was 1 in 1,336.

## INTRODUCTION

This Compendium presents data identifying the scope, magnitude, and severity of the traffic crash problem in Missouri. In addition, data are presented which identify specific traffic crash / severity causative factors and characteristics of special interest to traffic safety authorities. Although historical data are provided, emphasis is placed on the most recent year's experience (2009).

This Compendium was prepared by the Missouri State Highway Patrol, Statistical Analysis Center (SAC) at the request of the Missouri Department of Transportation, Highway Safety Division.

The traffic safety data contained in this publication are segmented into four sections. The first section displays the 2009 Missouri Traffic Safety Personal Injury Problem Analysis Clock. This clock offers an overview of the frequency of deaths and injuries caused by traffic crashes in the State in relation to time. The second section provides data related to Missouri's total traffic crash experience from an historical perspective and provides historical data related to Missouri's driver licensing, vehicle registration, and annual miles of travel activity levels. This section also provides an examination of the overall Missouri traffic crash experience and includes analyses of crash type, roadway features and classification, weather and light conditions, temporal and geographic patterns, causative factors, driver characteristics and behavior, and vehicle types. The third section presents data on Missouri's traffic crash experience as it relates to specific types of causative factors or characteristics which affect the frequency of occurrence or crash severity. Specific traffic safety problem areas addressed in this section are:

- Speed Involvement
- Drinking Involvement
- Young Driver Involvement
- Older Driver Involvement
- Commercial Motor Vehicle Involvement
- Motorcycle Involvement
- School Bus Involvement
- Bicycle Involvement
- Pedestrian Involvement
- Fixed Object Involvement
- Hazardous Material Involvement
- Construction / Other Work Zone Involvement
- Seat Belt Usage

The last section of the Compendium provides summary data on the 2009 traffic crash experience of all counties and of cities with populations of 1,000 or more in the State of Missouri. In addition, breakouts are provided identifying the proportion of each community's traffic crash activity related to the problem areas discussed in the previous section of the Compendium (Seat Belt Usage is the only exception).

Data for this Compendium were obtained from a variety of sources. Traffic crash data used in the Compendium were obtained from the Statewide Traffic Accident Records System (STARS) maintained by the Missouri State Highway Patrol (MSHP). In accordance with State statute, law enforcement agencies are required to investigate traffic crashes on public roadways if they involve a death or personal injury or property damage over \$500.00. Their findings are submitted either electronically or manually on a standard traffic accident report form to the STARS system. Data from these reports are encoded by MSHP staff in computerized files. These files are made available to the Missouri SAC for traffic safety data analysis purposes.

Driver's licensing data were obtained from the Missouri Department of Revenue (DOR) driver history files. Vehicle registrations and annual vehicle miles of travel data were obtained from the Missouri Department of Transportation (MoDOT).

Slight discrepancies may be found if comparisons are made with other publications using data from STARS. These discrepancies may be a result of updates being made to STARS files between the time the other publications were developed and the time data analysis for this publication was performed. In addition, the STARS database selection logic used to identify a specific traffic crash problem could be different which would result in discrepancies in data display presentations.

Discrepancies also may be found if comparisons are made with MoDOT publications related to State-maintained roadway traffic crash statistics. MoDOT reviews all STARS traffic crash reports individually. If the crash occurs on a State-maintained roadway, the crash location is analyzed and recoded using a sophisticated highway classification and log point referencing system. Because of this review / update process and differences in road type coding definitions, discrepancies may be noted. For obtaining crash statistics on the Missouri State-maintained highway system only, it is recommended reliance be placed on MoDOT publications.

A number of Federal, State, and local information systems besides STARS capture data on some aspect of Missouri's traffic crash experience. One of the most notable is the Fatality Analysis Reporting System (FARS). In this information system, data on all fatal traffic crashes are compiled from a number of different sources and reported to a national repository in Washington, D.C. Although findings using both FARS and STARS data are similar, they do vary greatly when analyzing drinking involvement in traffic crashes. In STARS, reliance is solely based on the investigating officer's opinion that drivers or pedestrians were drinking and their intoxicated condition contributed to the cause of the traffic crash. In FARS, reliance is not only based on the opinion of the investigating officer but also on results of blood alcohol content tests taken on persons killed within a few hours of the crash. By Missouri statute, coroners and medical examiners are required to take these tests and report the results to the FARS unit. Because of this additional reporting mechanism, drinking involved fatal traffic crash statistics using FARS data indicate this causative factor is a much greater problem than comparable statistics based on STARS data. However, it must be recognized FARS data **only** describe Missouri's fatal traffic crashes while STARS data describe the State's total traffic crash experience on public roadways (except for minor property damage crashes).

A number of other publications, being produced on an annual basis, provide insights into Missouri's traffic crash experience. In cases where the Compendium does not provide all the information required, it is recommended one or more of the following publications be used:

1. *Traffic Crash Facts Booklet* - Missouri State Highway Patrol, Traffic Division.
2. *Missouri Vital Statistics* - State Center for Health Statistics
3. *Missouri State Highway System Traffic Accident Statistics* - Missouri Department of Transportation, Traffic Division.

## **1.0 MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK**

*THIS CLOCK SUMMARIZES PERSONS KILLED AND INJURED IN TRAFFIC CRASHES IN THE STATE OF MISSOURI DURING 2009 IN RELATION TO TIME. IN ADDITION, IT SUMMARIZES DEATHS AND INJURIES OCCURRING IN TRAFFIC CRASHES WHERE SPECIFIC CAUSAL FACTORS OR CHARACTERISTICS WERE FOUND. FROM THIS PERSPECTIVE AN APPRECIATION OF THE RELATIVE FREQUENCY AND SERIOUSNESS OF THESE FACTORS AND CHARACTERISTICS CAN BE OBTAINED. THIS CLOCK SHOULD BE VIEWED WITH CARE. THIS MODE OF DISPLAY SHOULD NOT BE TAKEN TO IMPLY A REGULARITY IN THE OCCURRENCE OF DEATHS AND INJURIES IN TRAFFIC CRASH ACTIVITY; RATHER, IT REPRESENTS THE ANNUAL RATIO OF DEATHS AND PERSONAL INJURIES TO FIXED TIME INTERVALS.*

# MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

2009

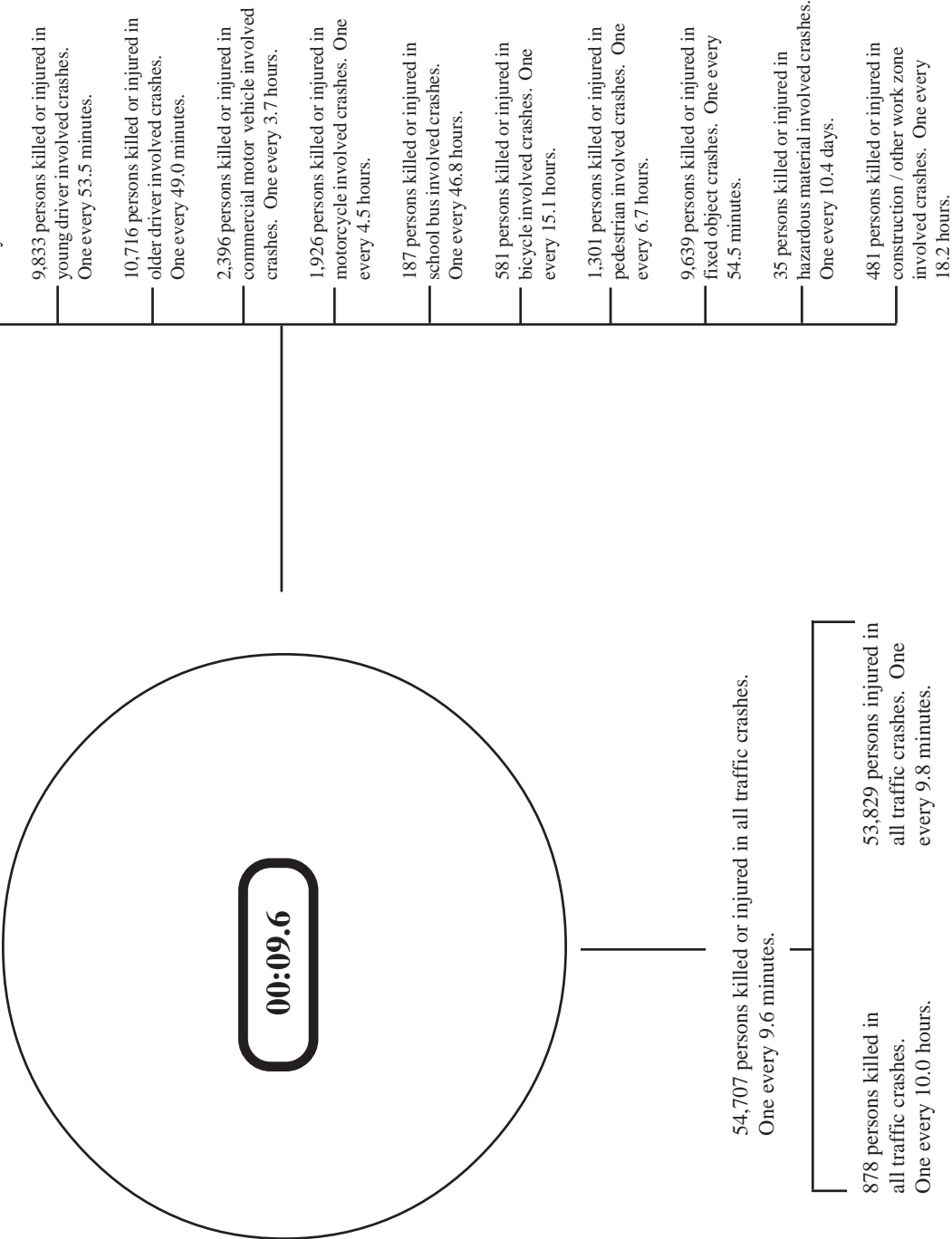


FIGURE 1.0.1



## **2.0 MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS**

*A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE FROM AN HISTORICAL PERSPECTIVE. IN ADDITION, DATA ARE PRESENTED WHICH IDENTIFY MISSOURI'S DRIVER'S LICENSING, VEHICLE REGISTRATION, AND ANNUAL MILES OF TRAVEL ACTIVITY LEVELS. THE PURPOSE OF THESE DISPLAYS IS TO PROVIDE AN HISTORICAL OVERVIEW OF THE FREQUENCY AND SERIOUSNESS OF MISSOURI'S TRAFFIC CRASH PROBLEM IN RELATION TO THE AMOUNT OF TRAVEL INVOLVED AND TO THE IN-STATE DRIVER AND VEHICLE POPULATION LEVELS.*

# STATE OF MISSOURI, TRAFFIC SAFETY STATISTICS

1985 - 2009

Year	Killed	Injured	Economic Loss	Licensed <sup>1</sup> Drivers	Vehicles <sup>2</sup> Registered	Miles <sup>2</sup> Travelled	Death Rate <sup>3</sup>	Injury Rate <sup>4</sup>
1985	948	66,970	906,980,000	3,415,014	3,635,364	39,286,000,000	2.4	172.9
1986	1,143	69,455	1,100,070,000	3,436,028	3,737,386	41,572,000,000	2.7	169.8
1987	1,058	67,743	1,158,640,000	3,472,027	3,760,948	43,379,000,000	2.4	158.6
1988	1,103	69,321	1,368,710,000	3,511,986	3,835,292	45,447,000,000	2.4	155.0
1989	1,052	68,588	1,352,250,000	3,537,276	3,881,896	48,087,000,000	2.2	144.8
1990	1,097	72,493	1,463,320,000	3,702,692	3,948,319	49,891,000,000	2.2	147.5
1991	1,011	67,707	1,616,100,000	3,445,079	3,987,545	50,676,000,000	2.0	135.6
1992	985	70,550	1,981,940,000	3,454,548	4,039,447	53,108,000,000	1.9	134.7
1993	949	77,521	2,561,332,000	3,499,278	4,097,716	54,821,000,000	1.7	143.1
1994	1,089	81,046	3,068,532,000	3,382,050	4,206,637	57,287,000,000	1.9	143.4
1995	1,109	81,174	3,169,354,000	3,688,225	4,250,708	59,115,000,000	1.9	139.2
1996	1,148	82,717	3,066,403,000	3,797,574	4,381,105	61,007,000,000	1.9	137.5
1997	1,192	81,570	2,951,124,000	3,832,875	4,339,101	62,979,000,000	1.9	131.4
1998	1,169	79,765	3,241,096,000	3,935,879	4,405,307	64,533,000,000	1.8	125.4
1999	1,094	78,297	3,166,768,000	3,983,650	4,429,689	66,856,000,000	1.6	118.7
2000	1,157	76,338	3,239,268,000	4,006,790	4,612,009	66,905,000,000	1.7	115.8
2001	1,098	73,629	3,205,959,000	4,019,869	4,244,980	67,635,000,000	1.6	110.5
2002	1,208	72,614	3,398,527,000	4,118,933	4,413,717	68,162,000,000	1.8	108.3
2003	1,232	69,150	3,432,857,000	4,186,002	4,416,352	67,929,000,000	1.8	103.6
2004	1,130	68,678	3,700,111,000	4,262,059	4,928,515	68,300,000,000	1.7	102.2
2005	1,257	66,423	3,713,708,000	4,284,187	4,722,723	68,754,000,000	1.8	98.4
2006	1,096	62,119	3,492,730,000	4,281,710	5,105,733	68,834,000,000	1.6	91.8
2007	992	60,000	3,508,413,000	4,446,471	5,069,869	69,150,000,000	1.4	88.2
2008	960	55,149	3,182,874,600	4,380,292	5,150,584	68,086,000,000	1.4	82.4
2009	878	53,829	3,318,707,000	4,414,942	5,157,017	69,096,000,000	1.3	79.2

<sup>1</sup>Licensed drivers data were obtained from the Missouri Department of Revenue.

<sup>2</sup>Vehicle registration and miles travelled data were obtained from the Missouri Department of Transportation.

<sup>3</sup>Number of deaths per 100 million miles of vehicle travel.

<sup>4</sup>Number of deaths and injuries per 100 million miles of vehicle travel.

TABLE 2.0.1

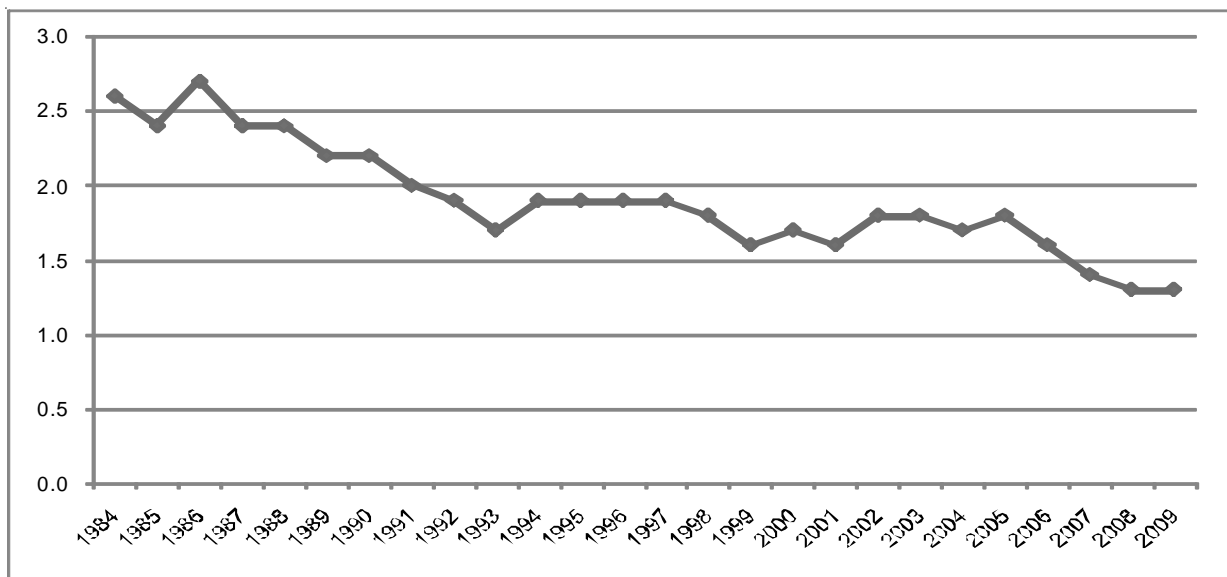
**2000 - 2009 MISSOURI TRAFFIC CRASHES**

**YEAR BY CRASH SEVERITY**

<b>YEAR</b>	<b>FATAL</b>		<b>PERSONAL INJURY</b>		<b>PROPERTY DAMAGE</b>		<b>TOTAL</b>	
2000	991		49,722		143,116		193,829	
<i>ROW %</i>		<i>0.5</i>		<i>25.7</i>		<i>73.8</i>		<i>100.0</i>
2001	973		48,325		139,358		188,656	
<i>ROW %</i>		<i>0.5</i>		<i>25.6</i>		<i>73.9</i>		<i>100.0</i>
2002	1,082		47,981		136,743		185,806	
<i>ROW %</i>		<i>0.6</i>		<i>25.8</i>		<i>73.6</i>		<i>100.0</i>
2003	1,095		45,990		135,650		182,735	
<i>ROW %</i>		<i>0.6</i>		<i>25.2</i>		<i>74.2</i>		<i>100.0</i>
2004	1,006		45,855		135,400		182,261	
<i>ROW %</i>		<i>0.5</i>		<i>25.2</i>		<i>74.3</i>		<i>100.0</i>
2005	1,117		44,667		129,364		175,148	
<i>ROW %</i>		<i>0.6</i>		<i>25.5</i>		<i>73.9</i>		<i>100.0</i>
2006	971		42,164		124,101		167,236	
<i>ROW %</i>		<i>0.6</i>		<i>25.2</i>		<i>74.2</i>		<i>100.0</i>
2007	900		40,981		124,171		166,052	
<i>ROW %</i>		<i>0.5</i>		<i>24.7</i>		<i>74.8</i>		<i>100.0</i>
2008	845		38,040		116,964		155,849	
<i>ROW %</i>		<i>0.5</i>		<i>24.4</i>		<i>75.1</i>		<i>100.0</i>
2009	786		36,999		115,210		152,995	
<i>ROW %</i>		<i>0.5</i>		<i>24.2</i>		<i>75.3</i>		<i>100.0</i>

**TABLE 2.0.2**

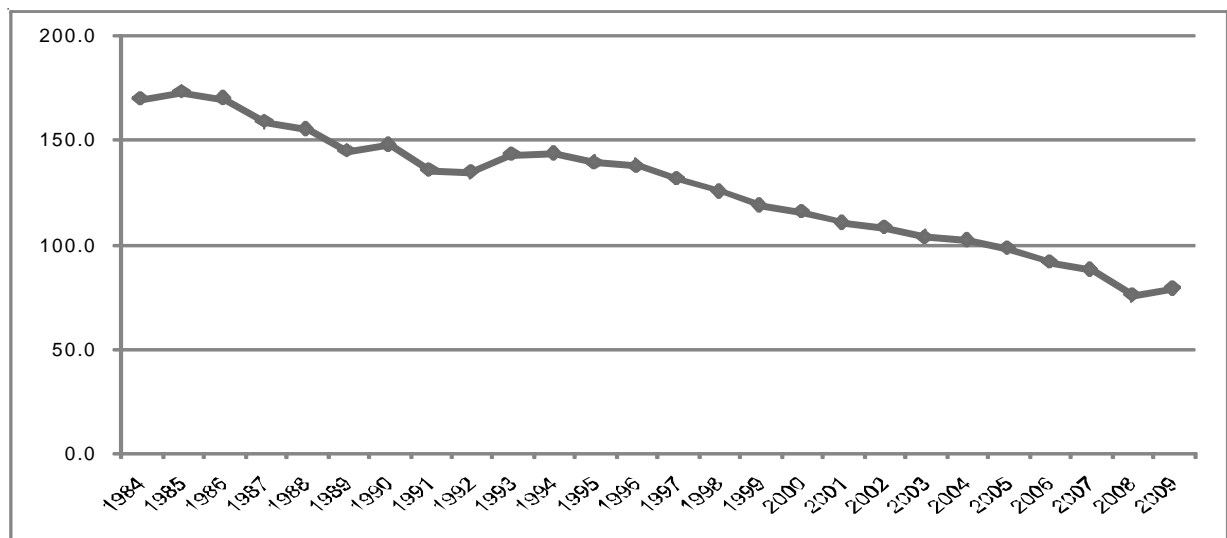
### MISSOURI DEATH RATE<sup>1</sup> ANNUAL TIME SERIES



<sup>1</sup>Number of deaths per 100 million miles of vehicle travel.

**FIGURE 2.0.1**

### MISSOURI INJURY RATE<sup>1</sup> ANNUAL TIME SERIES



<sup>1</sup>Number of deaths and injuries per 100 million miles of vehicle travel.

**FIGURE 2.0.2**

## 2.1 MISSOURI TRAFFIC CRASHES

***This section presents a series of data displays which identify all Missouri traffic crash activity. Data displays also are provided which describe characteristics of the drivers in these traffic crashes.***

### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 0.5% involved one or more persons being killed in the crash (Fatal) and 24.2% involved no persons killed, but one or more persons injured in the crash (Personal Injury). In 75.3% of the crashes, no persons were killed or injured, but property was damaged during the crash (Property Damage).
- There was a decrease of 7.0% for both the rate of change and fatal traffic crashes when comparing all 2009 traffic crash activity with that in 2008.
- In 2009, 878 persons were killed and 53,829 were injured in traffic crashes in the State of Missouri.
- In 2009, one person was killed or injured in a traffic crash every 9.6 minutes in the State of Missouri.
- Of all 2009 crashes, the first harmful event in 65.6% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 18.2% of the cases, it involved a motor vehicle striking a fixed object. Of all 2009 fatal crashes, 40.3% involved a motor vehicle striking a fixed object.
- Of all 2009 traffic crashes, 65.5% occurred in an urban area of the State and 34.5% occurred in a rural area. However, in fatal crashes 70.9% occurred in rural area.
- Of all drivers in 2009 traffic crashes, 55.2% were male and 44.8% were female. The average age of drivers was 38.5 years.
- Of all drivers in 2009 traffic crashes, 87.3% had a Missouri driver's license, 10.2% had an out-of-state driver's license, and 2.5% were unlicensed at the time of the traffic crash.

***Please note: The number of persons killed and injured in traffic crashes may not necessarily match the number of fatal and personal injury crashes. In any given crash, multiple people may be involved. For example -- there may be one person killed and two injured in a crash, but there is still only one crash.***

### 2008 and 2009 MISSOURI TRAFFIC CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	845	786	-7.0
PERSONAL INJURY	38,040	36,999	-2.7
PROPERTY DAMAGE	116,964	115,210	-1.5
TOTAL	155,849	152,995	-1.8
PERSONS KILLED	960	878	-8.5
PERSONS INJURED	55,161	53,829	-2.4

**TABLE 2.1.1**

### 2009 MISSOURI TRAFFIC CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	4	0.5	398	1.1	4,136	3.6	4,538	3.0
BICYCLIST	2	0.3	577	1.6	132	0.1	711	0.5
FIXED OBJECT	317	40.3	9,322	25.2	20,951	18.2	30,590	20.0
OTHER OBJECT	6	0.8	141	0.4	1,118	1.0	1,265	0.8
PEDESTRIAN	65	8.3	1,132	3.1	128	0.1	1,325	0.9
TRAIN	5	0.6	8	0.0	20	0.0	33	0.0
VEHICLE IN TRANSPORT	290	36.9	22,417	60.6	75,616	65.6	98,323	64.3
VEHICLE ON OTHER ROADWAY	4	0.5	47	0.1	170	0.2	221	0.1
PARKED VEHICLE	8	1.0	656	1.8	10,797	9.4	11,461	7.5
NONCOLLISION OVERTURN	76	9.7	1,988	5.4	1,175	1.0	3,239	2.1
NONCOLLISION OTHER	9	1.2	313	0.9	967	0.8	1,289	0.8
<b>TOTAL</b>	786	100.0	36,999	100.0	115,210	100.0	152,995	100.0

**TABLE 2.1.2**

## 2009 MISSOURI TRAFFIC CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	229	29.1	22,711	61.4	77,213	67.0	100,153	65.5
RURAL	557	70.9	14,288	38.6	37,997	33.0	52,842	34.5
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>

**TABLE 2.1.3**

## 2009 MISSOURI TRAFFIC CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	521	66.5	29,863	81.3	96,241	85.8	126,625	84.6
CURVE	263	33.5	6,849	18.7	15,958	14.2	23,070	15.4
UNKNOWN	2	-	287	-	3,011	-	3,300	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>

**TABLE 2.1.4**

## 2009 MISSOURI TRAFFIC CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	345	44.1	24,336	66.8	79,899	71.9	104,580	70.5
HILL	420	53.7	11,214	30.8	28,770	25.9	40,404	27.3
CREST	17	2.2	880	2.4	2,424	2.2	3,321	2.2
UNKNOWN	4	-	569	-	4,117	-	4,690	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>

**TABLE 2.1.5**



## 2009 MISSOURI TRAFFIC CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	649	83.0	28,598	77.9	86,387	75.9	115,634	76.4
WET	104	13.3	6,877	18.7	21,981	19.3	28,962	19.1
SNOW	15	1.9	752	2.1	3,554	3.1	4,321	2.9
ICE	13	1.7	391	1.1	1,512	1.3	1,916	1.3
SLUSH	0	0.0	57	0.2	226	0.2	283	0.2
MUD	0	0.0	16	0.0	39	0.0	55	0.0
STANDING WATER	1	0.1	18	0.0	64	0.1	83	0.1
MOVING WATER	0	0.0	14	0.0	34	0.0	48	0.0
UNKNOWN	4	-	276	-	1,413	-	1,693	-
<b>TOTAL</b>	786	100.0	36,999	100.0	115,210	100.0	152,995	100.0

TABLE 2.1.6

## 2009 MISSOURI TRAFFIC CRASHES

### LIGHT CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DAYLIGHT	412	52.4	26,112	70.6	81,783	71.0	108,307	70.8
DARK -- STREET LIGHTS ON	105	13.4	5,927	16.0	19,691	17.1	25,723	16.8
DARK -- STREET LIGHTS OFF	6	0.8	181	0.5	739	0.6	926	0.6
DARK -- NO STREET LIGHTS	255	32.4	4,376	11.8	10,615	9.2	15,246	10.0
INDETERMINATE	8	1.0	403	1.1	2,382	2.1	2,793	1.8
<b>TOTAL</b>	786	100.0	36,999	100.0	115,210	100.0	152,995	100.0

TABLE 2.1.7

**2009 MISSOURI TRAFFIC CRASHES**

**HIGHWAY CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
INTERSTATE	80	10.2	4,115	11.1	14,164	12.3	18,359	12.0
U.S. HIGHWAY	130	16.5	3,875	10.5	10,519	9.1	14,524	9.5
STATENUMBERED	189	24.1	6,144	16.6	15,701	13.6	22,034	14.4
SINGLESTATELETTERED	107	13.6	2,493	6.7	5,088	4.4	7,688	5.0
DOUBLESTATELETTERED	42	5.3	1,092	3.0	2,302	2.0	3,436	2.3
OUTER ROAD	7	0.9	249	0.7	845	0.7	1,101	0.7
COUNTY ROAD	94	12.0	3,150	8.5	8,407	7.3	11,651	7.6
CITY STREET	123	15.7	15,034	40.6	54,576	47.4	69,733	45.6
INTERSTATELOOP	3	0.4	101	0.3	325	0.3	429	0.3
OTHER <sup>1</sup>	11	1.4	746	2.0	3,283	2.9	4,040	2.6
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>

<sup>1</sup>"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 2.1.8**

**2009 MISSOURI TRAFFIC CRASHES**  
**HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY**

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	43	18.8	2,685	11.8	8,475	11.0	11,203	11.2	37	6.6	1,430	10.0	5,689	15.0	7,156	13.5
U.S. HIGHWAY	31	13.5	1,806	8.0	5,379	7.0	7,216	7.2	99	17.8	2,069	14.5	5,140	13.5	7,308	13.8
STATE NUMBERED	25	10.9	2,546	11.2	7,684	10.0	10,255	10.2	164	29.4	3,598	25.2	8,017	21.1	11,779	22.3
SINGLE STATE LETTERED	6	2.6	394	1.7	1,365	1.8	1,765	1.8	101	18.1	2,099	14.7	3,723	9.8	5,923	11.2
DOUBLE STATE LETTERED	6	2.6	279	1.2	858	1.1	1,143	1.1	36	6.5	813	5.7	1,444	3.8	2,293	4.3
OUTER ROAD	2	0.9	157	0.7	537	0.7	696	0.7	5	0.9	92	0.6	308	0.8	405	0.8
COUNTY ROAD	3	1.3	241	1.1	900	1.2	1,144	1.1	91	16.3	2,909	20.4	7,507	19.8	10,507	19.9
CITY STREET	110	48.0	14,006	61.7	49,519	64.1	63,635	63.5	13	2.3	1,028	7.2	5,057	13.3	6,098	11.5
INTERSTATE LOOP	0	0.0	55	0.2	179	0.2	234	0.2	3	0.5	46	0.3	146	0.4	195	0.4
OTHER <sup>1</sup>	3	1.3	542	2.4	2,317	3.0	2,862	2.9	8	1.4	204	1.4	966	2.5	1,178	2.2
TOTAL	229	100.0	22,711	100.0	77,213	100.0	100,153	100.0	557	100.0	14,288	100.0	37,997	100.0	52,842	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 2.1.9**

**2009 MISSOURI TRAFFIC CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	12,285	8.0
FEBRUARY	10,838	7.1
MARCH	11,866	7.8
APRIL	12,611	8.2
MAY	13,417	8.8
JUNE	12,628	8.3
JULY	12,431	8.1
AUGUST	12,459	8.1
SEPTEMBER	12,621	8.3
OCTOBER	14,610	9.6
NOVEMBER	12,946	8.5
DECEMBER	14,283	9.3
<b>TOTAL</b>	152,995	100.0

**TABLE 2.1.10**

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**2009 MISSOURI TRAFFIC CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	15,733	10.3
MONDAY	21,345	14.0
TUESDAY	22,774	14.9
WEDNESDAY	22,271	14.6
THURSDAY	23,109	15.1
FRIDAY	26,364	17.3
SATURDAY	21,089	13.8
UNKNOWN	310	--
<b>TOTAL</b>	152,995	100.0

**TABLE 2.1.11**

## 2009 MISSOURI TRAFFIC CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	2,944	1.9
01:00A - 01:59A	2,892	1.9
02:00A - 02:59A	2,191	1.5
03:00A - 03:59A	1,643	1.1
04:00A - 04:59A	1,276	0.8
05:00A - 05:59A	1,747	1.2
06:00A - 06:59A	3,501	2.3
07:00A - 07:59A	7,665	5.1
08:00A - 08:59A	6,867	4.5
09:00A - 09:59A	5,873	3.9
10:00A - 10:59A	6,928	4.6
11:00A - 11:59A	8,182	5.4
NOON - 12:59P	9,535	6.3
01:00P - 01:59P	9,126	6.0
02:00P - 02:59P	10,362	6.8
03:00P - 03:59P	13,028	8.6
04:00P - 04:59P	12,439	8.2
05:00P - 05:59P	12,972	8.6
06:00P - 06:59P	8,709	5.8
07:00P - 07:59P	6,107	4.0
08:00P - 08:59P	5,093	3.4
09:00P - 09:59P	4,838	3.2
10:00P - 10:59P	4,220	2.8
11:00P - MIDNIGHT	3,424	2.3
UNKNOWN	1,433	--
<b>TOTAL</b>	152,995	100.0

**TABLE 2.1.12**

## 2009 MISSOURI TRAFFIC CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY<sup>1</sup>

FATAL CRASHES = 786		TOTAL CRASHES = 152,995
VEHICLE DEFECTS	1.7	2.6
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.1
IMPROPERLY STOPPED ON ROADWAY	0.8	0.5
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	40.8	17.3
IMPROPER PASSING	2.9	1.5
VIOLATION OF STOP SIGN	6.4	4.0
WRONG SIDE NOT PASSING	12.3	1.6
FOLLOWING TOO CLOSE	1.9	14.9
IMPROPER SIGNAL	0.3	0.2
IMPROPER BACKING	0.3	3.2
IMPROPER TURN	2.0	3.6
IMPROPER LANE USAGE / CHANGE	21.5	10.2
WRONG WAY ONE-WAY STREET	0.6	0.2
IMPROPER START FROM PARK	0.1	0.3
IMPROPERLY PARKED	0.0	0.4
FAILED TO YIELD	11.5	15.3
DRINKING	28.0	4.7
DRUGS	6.1	0.8
PHYSICAL IMPAIRMENT	4.1	1.8
INATTENTION	18.6	27.6

<sup>1</sup>This table identifies the percentage of Missouri traffic crashes having a specific type of circumstance which contributed to the cause of the crash. For instance, when examining drinking involvement in 2009 Missouri fatal traffic crashes, it was found that in 28.0% of the crashes one or more drivers were drinking. In all traffic crashes, 4.7% had one or more drivers who were drinking.

**TABLE 2.1.13**

## CAUSES OF DRIVER INATTENTION IN 2009 MISSOURI TRAFFIC CRASHES

### TYPE OF INATTENTION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
CELL PHONE	9	6.2	542	5.1	1,232	3.8	1,783	4.1
AUDIO/VIDEO EQUIPMENT	1	0.7	216	2.0	485	1.5	702	1.6
COMPUTER EQUIPMENT	0	0.0	32	0.3	88	0.3	120	0.3
PASSENGER	7	4.8	358	3.4	677	2.1	1,042	2.4
TOBACCO USE	0	0.0	80	0.8	132	0.4	212	0.5
EATING / DRINKING	3	2.1	152	1.4	333	1.0	488	1.1
READING	0	0.0	30	0.3	60	0.2	90	0.2
GROOMING	0	0.0	14	0.1	39	0.1	53	0.1
OTHER	114	78.1	8,711	81.7	27,626	84.1	36,451	83.5
UNKNOWN	12	-	534	-	2,169	-	2,715	-
<b>TOTAL</b>	146	100.0	10,669	100.0	32,841	100.0	43,656	100.0

**TABLE 2.1.14**

## DRIVERS IN 2009 MISSOURI TRAFFIC CRASHES

### DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	23	2.0	1,357	2.1	12,821	6.1	14,201	5.1
KNOWN DRIVER	1,137	96.9	63,195	95.6	182,463	87.1	246,795	89.2
UNKNOWN DRIVER	13	1.1	1,525	2.3	14,158	6.8	15,696	5.7
<b>TOTAL</b>	1,173	100.0	66,077	100.0	209,442	100.0	280,424	100.0

**TABLE 2.1.15**



## DRIVERS IN 2009 MISSOURI TRAFFIC CRASHES

### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	835	73.4	34,412	54.5	100,144	55.4	135,391	55.2
FEMALE	302	26.6	28,775	45.5	80,751	44.6	109,828	44.8
UNKNOWN	13	-	1,533	-	15,726	-	17,272	-
<b>TOTAL</b>	<b>1,150</b>	<b>100.0</b>	<b>64,720</b>	<b>100.0</b>	<b>196,621</b>	<b>100.0</b>	<b>262,491</b>	<b>100.0</b>

**TABLE 2.1.16**

## DRIVERS IN 2009 MISSOURI TRAFFIC CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	42.0	-	38.2	-	38.6	-	38.5	-
14 YEARS AND UNDER	5	0.4	235	0.4	80	0.0	320	0.1
15 - 20 YEARS	143	12.6	10,584	16.8	29,732	16.6	40,459	16.6
21 - 25 YEARS	144	12.7	8,621	13.7	24,048	13.4	32,813	13.5
26 - 30 YEARS	104	9.2	6,858	10.9	19,527	10.9	26,489	10.9
31 - 35 YEARS	81	7.1	5,347	8.5	15,525	8.7	20,953	8.6
36 - 40 YEARS	88	7.7	5,292	8.4	15,000	8.4	20,380	8.4
41 - 45 YEARS	103	9.1	5,134	8.2	14,424	8.0	19,661	8.1
46 - 50 YEARS	97	8.5	5,170	8.2	15,023	8.4	20,290	8.3
51 - 55 YEARS	97	8.5	4,561	7.3	13,153	7.3	17,811	7.3
56 - 60 YEARS	82	7.2	3,552	5.7	10,428	5.8	14,062	5.8
61 - 65 YEARS	50	4.4	2,590	4.1	7,816	4.4	10,456	4.3
66 YEARS AND OVER	143	12.6	4,911	7.8	14,576	8.1	19,630	8.1
UNKNOWN	13	-	1,865	-	17,289	-	19,167	-
<b>TOTAL</b>	<b>1,150</b>	<b>100.0</b>	<b>64,720</b>	<b>100.0</b>	<b>196,621</b>	<b>100.0</b>	<b>262,491</b>	<b>100.0</b>

**TABLE 2.1.17**

**DRIVERS IN 2009 MISSOURI TRAFFIC CRASHES**

**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	9	0.8	351	0.6	744	0.4	1,104	0.5
OPERATOR'S LICENSE	796	71.2	49,739	81.2	140,979	81.1	191,514	81.1
MOTORCYCLE ONLY	1	0.0	4	0.0	4	0.0	9	0.0
COMMERCIAL DRIVER'S LICENSE	109	9.8	3,197	5.2	10,133	5.8	13,439	5.7
SUBTOTAL	915	81.8	53,291	87.0	151,860	87.3	206,066	87.3
<b>OUTSTATE</b>								
LEARNER'S PERMIT	0	0.0	11	0.0	28	0.0	39	0.0
OPERATOR'S LICENSE	80	7.2	4,889	8.0	15,428	8.9	20,397	8.6
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	25	2.2	730	1.2	3,002	1.7	3,757	1.6
SUBTOTAL	105	9.4	5,631	9.2	18,458	10.6	24,194	10.2
UNLICENSED	98	8.8	2,320	3.8	3,541	2.1	5,959	2.5
UNKNOWN	32	-	3,478	-	22,762	-	26,272	-
<b>TOTAL</b>	<b>1,150</b>	<b>100.0</b>	<b>64,720</b>	<b>100.0</b>	<b>196,621</b>	<b>100.0</b>	<b>262,491</b>	<b>100.0</b>

**TABLE 2.1.18**

# VEHICLES IN 2009 MISSOURI TRAFFIC CRASHES

## TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	493	42.3	36,113	54.8	114,906	55.9	151,512	55.6
SPORT UTILITY VEHICLE	160	13.7	10,514	16.0	33,366	16.2	44,040	16.2
LIMOUSINE	0	0.0	13	0.0	51	0.0	64	0.0
VAN	58	5.0	4,261	6.5	13,400	6.5	17,719	6.5
BUS	3	0.3	255	0.4	993	0.5	1,251	0.5
SCHOOL BUS	2	0.2	154	0.2	758	0.4	914	0.3
MOTORCYCLE	83	7.1	1,896	2.9	508	0.3	2,487	0.9
ALL TERRAIN VEHICLE	19	1.6	204	0.3	32	0.0	255	0.1
MOPED	3	0.3	104	0.2	21	0.0	128	0.1
BICYCLE	2	0.2	580	0.9	132	0.1	714	0.3
MOTOR HOME / CAMPER	1	0.1	24	0.0	117	0.1	142	0.1
FARM EQUIPMENT	3	0.3	44	0.1	117	0.1	164	0.1
CONSTRUCTION EQUIPMENT	1	0.1	30	0.1	158	0.1	189	0.1
OTHER TRANSPORT DEVICE	7	0.6	86	0.1	318	0.2	411	0.2
PICK-UP	244	20.9	9,929	15.1	32,518	15.8	42,691	15.7
OTHER TRUCK	86	7.4	1,703	2.6	8,176	4.0	9,965	3.7
UNKNOWN	8	-	167	-	3,871	-	4,046	-
<b>TOTAL</b>	1,173	100.0	66,077	100.0	209,442	100.0	276,692	100.0

**TABLE 2.1.19**

**PERSONS KILLED AND INJURED IN 2009 MISSOURI TRAFFIC CRASHES**

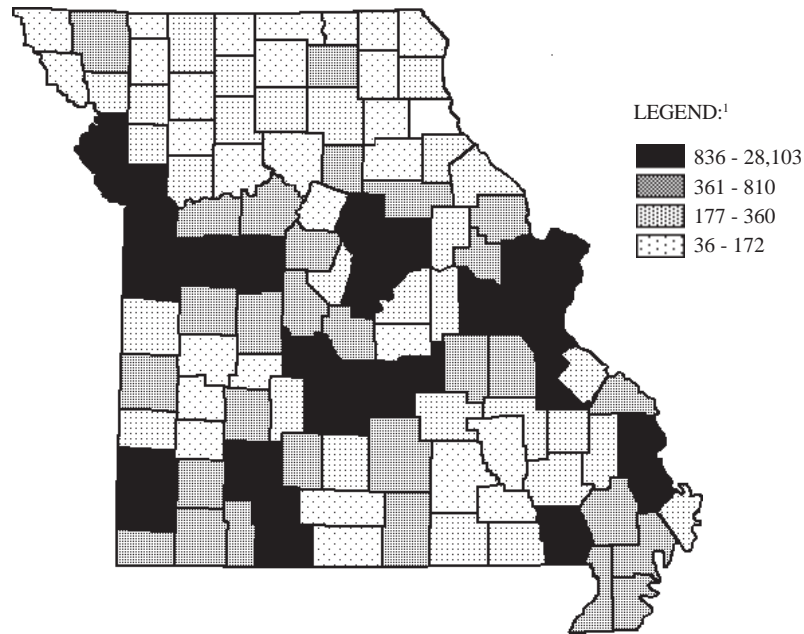
**CRASH TYPE BY PERSONAL INJURY SEVERITY**

	<b>KILLED</b>	<b>%</b>	<b>INJURED</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
ANIMAL	4	0.5	463	0.9	467	0.9
BICYCLIST	2	0.2	593	1.1	595	1.1
FIXED OBJECT	340	38.7	12,128	22.5	12,468	22.8
OTHER OBJECT	8	0.9	186	0.4	194	0.4
PEDESTRIAN	65	7.4	1,204	2.2	1,269	2.3
TRAIN	8	0.9	12	0.0	20	0.0
VEHICLE IN TRANSPORT	346	39.4	35,298	65.6	35,644	65.2
VEHICLE ON OTHER ROADWAY	6	0.7	91	0.2	97	0.2
PARKED VEHICLE	8	0.9	841	1.6	849	1.6
NONCOLLISION OVERTURN	82	9.3	2,625	4.9	2,707	5.0
NONCOLLISION OTHER	9	1.0	388	0.7	397	0.7
<b>TOTAL</b>	<b>878</b>	<b>100.0</b>	<b>53,829</b>	<b>100.0</b>	<b>54,707</b>	<b>100.0</b>

**TABLE 2.1.20**

## 2009 MISSOURI TRAFFIC CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup>LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	28,103	18.4	22.0	JOHNSON	1,169	0.8
2.0	JACKSON	21,469	14.0	23.0	CHRISTIAN	1,088	0.7
3.0	ST. LOUIS CITY	15,817	10.3	24.0	NEWTON	1,082	0.7
4.0	GREENE	8,390	5.5	25.0	CALLAWAY	1,075	0.7
5.0	ST. CHARLES	7,628	5.0	26.0	CAMDEN	991	0.6
6.0	CLAY	4,954	3.2	27.0	LACLEDE	953	0.6
7.0	JEFFERSON	4,659	3.0	28.0	SCOTT	911	0.6
8.0	BOONE	3,567	2.3	29.0	MARION	836	0.5
9.0	JASPER	3,027	2.0				
10.0	FRANKLIN	2,695	1.8				
11.0	BUCHANAN	2,672	1.7				
12.0	CAPE GIRARDEAU	2,547	1.7				
13.0	PLATTE	2,349	1.5	30.0	LINCOLN	810	0.5
14.0	CASS	1,717	1.1	31.0	HOWELL	797	0.5
15.0	COLE	1,688	1.1	32.0	LAFAYETTE	777	0.5
16.0	PHELPS	1,646	1.1	33.0	BARRY	698	0.5
17.0	TANEY	1,496	1.0	34.0	WEBSTER	688	0.4
18.0	BUTLER	1,352	0.9	35.0	WARREN	672	0.4
19.0	PETTIS	1,288	0.8	36.0	LAWRENCE	633	0.4
20.0	ST. FRANCOIS	1,234	0.8	37.0	DUNKLIN	632	0.4
21.0	PULASKI	1,175	0.8	38.0	RANDOLPH	572	0.4
				39.0	CRAWFORD	564	0.4

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	STODDARD	552	0.4	78.0	MADISON	205	0.1
41.0	SALINE	546	0.4	79.0	GRUNDY	201	0.1
42.0	MILLER	526	0.3	80.0	HARRISON	195	0.1
43.0	STONE	508	0.3	81.5	BOLLINGER	191	0.1
44.0	COOPER	496	0.3	81.5	DE KALB	191	0.1
45.0	POLK	484	0.3	83.0	BARTON	187	0.1
46.0	HENRY	480	0.3	84.0	RALLS	184	0.1
47.0	NEW MADRID	450	0.3	85.0	IRON	182	0.1
48.0	PEMISCOT	441	0.3	86.0	OREGON	178	0.1
49.0	AUDRAIN	435	0.3	87.0	LEWIS	177	0.1
50.0	MCDONALD	434	0.3	Third Quartile			
51.0	PERRY	429	0.3	Fourth Quartile			
52.0	TEXAS	419	0.3	88.5	CEDAR	172	0.1
53.0	VERNON	418	0.3	88.5	DOUGLAS	172	0.1
54.0	NODAWAY	403	0.3	90.0	CARROLL	158	0.1
55.0	BENTON	397	0.3	91.0	CALDWELL	143	0.1
56.0	MORGAN	377	0.2	92.0	MONROE	141	0.1
57.0	ADAIR	375	0.2	93.0	MARIES	140	0.1
58.0	WASHINGTON	361	0.2	94.0	ST. CLAIR	139	0.1
Second Quartile				95.0	CARTER	134	0.1
Third Quartile				96.0	SHANNON	124	0.1
59.0	STE. GENEVIEVE	360	0.2	97.0	HOLT	121	0.1
60.0	LIVINGSTON	353	0.2	98.5	ATCHISON	120	0.1
61.0	MONTGOMERY	330	0.2	98.5	REYNOLDS	120	0.1
62.0	RAY	307	0.2	100.0	SULLIVAN	118	0.1
63.0	ANDREW	303	0.2	101.0	HOWARD	113	0.1
64.0	GASCONADE	292	0.2	102.0	CHARITON	108	0.1
65.0	DENT	287	0.2	103.0	DAVISS	107	0.1
66.0	DALLAS	273	0.2	104.0	OZARK	106	0.1
67.0	RIPLEY	267	0.2	105.0	HICKORY	98	0.1
68.5	CLINTON	266	0.2	106.0	CLARK	86	0.1
68.5	WAYNE	266	0.2	107.0	DADE	79	0.1
70.0	BATES	261	0.2	108.0	GENTRY	75	0.0
71.0	MACON	255	0.2	109.0	SCOTLAND	71	0.0
72.0	OSAGE	245	0.2	110.0	SHELBY	67	0.0
73.0	MONITEAU	240	0.2	111.0	PUTNAM	65	0.0
74.0	PIKE	238	0.2	112.5	KNOX	48	0.0
75.0	LINN	224	0.1	112.5	MERCER	48	0.0
76.0	MISSISSIPPI	223	0.1	114.0	WORTH	42	0.0
77.0	WRIGHT	211	0.1	115.0	SCHUYLER	36	0.0

**TABLE 2.1.21**

## 2009 MISSOURI TRAFFIC CRASHES

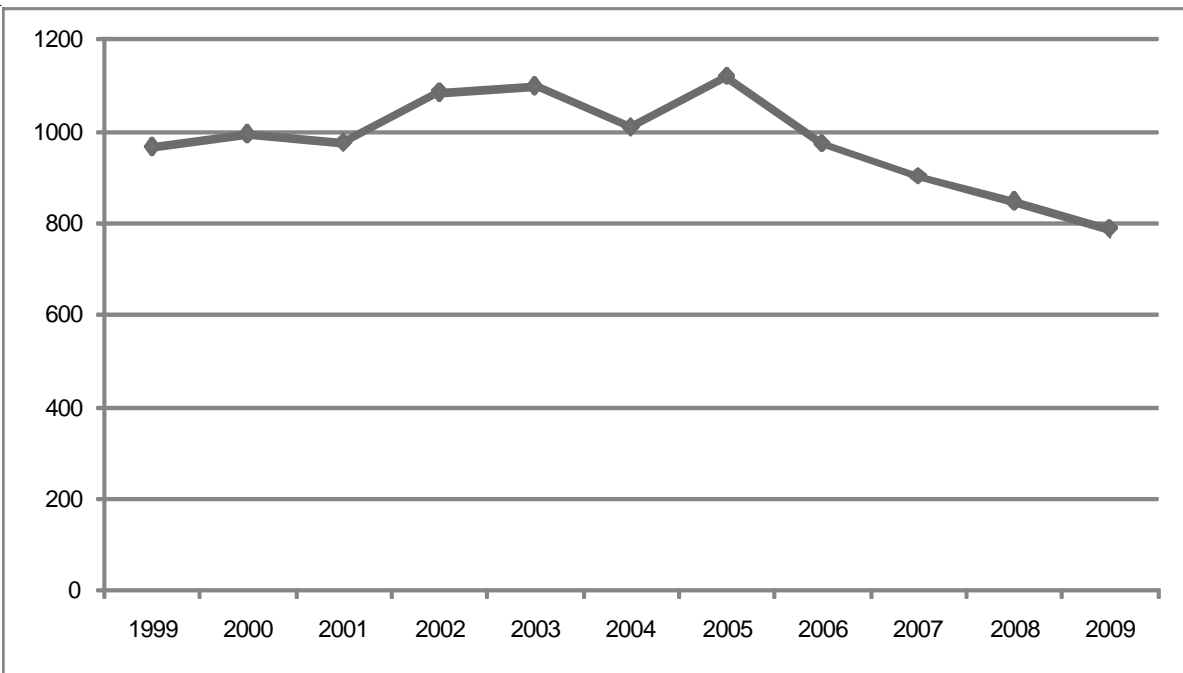
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	16,801	15.1
2.0	ST. LOUIS	15,822	14.2
3.0	SPRINGFIELD	6,955	6.2
4.0	INDEPENDENCE	3,122	2.8
5.0	COLUMBIA	2,780	2.5
6.0	ST. JOSEPH	2,386	2.1
7.0	JOPLIN	2,060	1.8
8.0	LEE'S SUMMIT	1,979	1.8
9.0	ST. CHARLES	1,898	1.7
10.0	CAPE GIRARDEAU	1,793	1.6
11.0	FLORISSANT	1,522	1.4
12.0	ST. PETERS	1,463	1.3
13.0	O'FALLON	1,462	1.3
14.0	JEFFERSON CITY	1,366	1.2
15.0	BLUE SPRINGS	1,239	1.1
16.0	CHESTERFIELD	1,224	1.1
17.0	CREVE COEUR	1,074	1.0
18.0	MARYLAND HEIGHTS	1,029	0.9
19.0	POPLAR BLUFF	915	0.8
20.0	KIRKWOOD	905	0.8
21.0	ROLLA	893	0.8
22.0	SEDALIA	884	0.8
23.0	HAZELWOOD	881	0.8
24.0	UNIVERSITY CITY	857	0.8
25.0	TOWN AND COUNTRY	851	0.8
26.0	BRIDGETON	756	0.7
27.0	SUNSET HILLS	747	0.7
28.0	LIBERTY	736	0.7
29.0	ARNOLD	696	0.6
30.0	BRANSON	661	0.6
31.0	FENTON	615	0.6
32.0	BELTON	609	0.5
33.0	CLAYTON	599	0.5
34.0	HANNIBAL	598	0.5
35.0	RAYTOWN	590	0.5
36.0	OVERLAND	578	0.5
37.0	BERKELEY	575	0.5
38.0	WARRENSBURG	557	0.5
39.0	WASHINGTON	541	0.5
40.0	FARMINGTON	503	0.5

<sup>1</sup>Percentage is based on traffic crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 2.1.22**

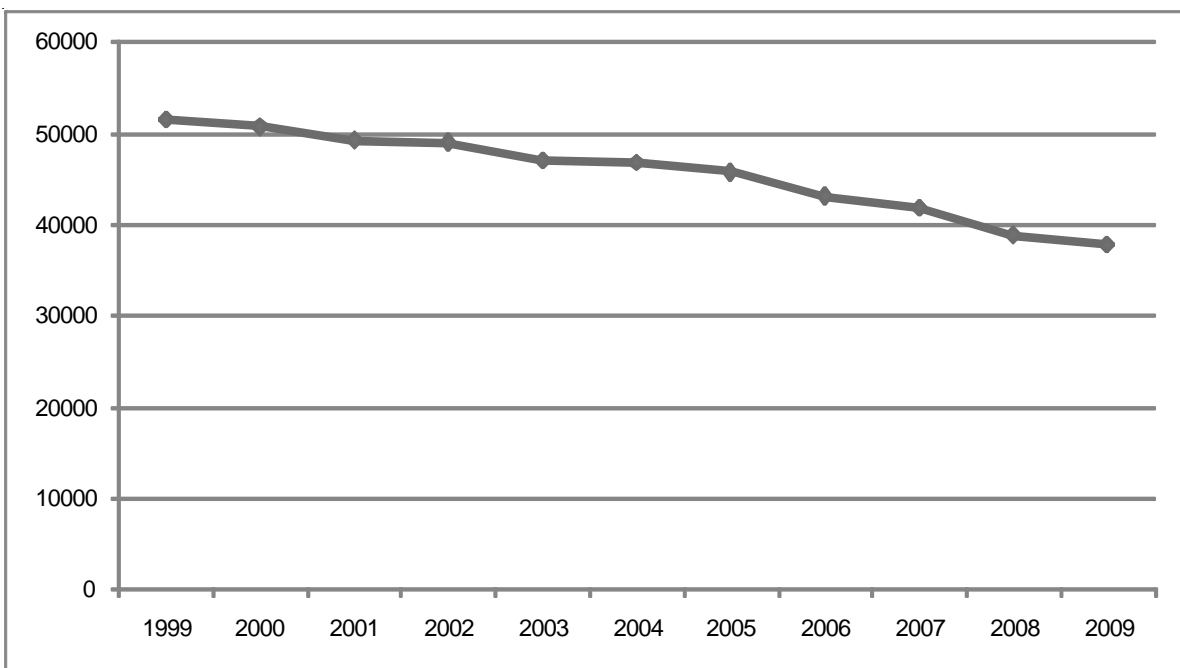
**MISSOURI FATAL CRASHES  
ANNUAL TIME SERIES**



**FIGURE 2.1.1**

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**MISSOURI FATAL AND PERSONAL INJURY CRASHES  
ANNUAL TIME SERIES**



**FIGURE 2.1.2**



### **3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS**

*A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE AS IT RELATES TO SPECIFIC TYPES OF CAUSATIVE FACTORS OR CHARACTERISTICS WHICH AFFECT THE FREQUENCY OF OCCURRENCE OR THE SEVERITY OF THE CRASH. DETAIL ANALYSIS IS PROVIDED FOR THE FOLLOWING SPECIFIC TYPES :*

- *SPEED INVOLVEMENT*
- *DRINKING INVOLVEMENT*
- *YOUNG DRIVER INVOLVEMENT*
- *OLDER DRIVER INVOLVEMENT*
- *COMMERCIAL MOTOR VEHICLE INVOLVEMENT*
- *MOTORCYCLE INVOLVEMENT*
- *SCHOOL BUS INVOLVEMENT*
- *BICYCLE INVOLVEMENT*
- *PEDESTRIAN INVOLVEMENT*
- *FIXED OBJECT INVOLVEMENT*
- *HAZARDOUS MATERIAL INVOLVEMENT*
- *CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT*
- *SEAT BELT USAGE*

### 3.1 SPEED INVOLVEMENT

***This section presents a series of data displays which identify speed involvement in Missouri's traffic crash experience. Speed-involved traffic crashes are defined as any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash. Data displays also are presented which identify characteristics of the speeding driver in these traffic crashes.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 17.8% were speed related. Of all fatal traffic crashes, 41.1% were speed related. A total of 365 persons were killed and 12,428 were injured in speed-related traffic crashes.
- There was a decrease of 9.5% in the rate of change when comparing total 2009 speed-related crashes with those in 2008. There was a decrease of 13.0% when comparing 2009 fatal speed-related traffic crashes with 2008.
- In 2009, one person was killed or injured in a speed-related traffic crash every 1.0 hours in the State of Missouri.
- Of all 2009 speed-related traffic crashes, the first harmful event in 37.5% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 49.8% of the cases, the first harmful event involved a motor vehicle striking a fixed object. Of all fatal speed-related traffic crashes, 54.7% involved a motor vehicle striking a fixed object.
- Of all 2009 speed-related traffic crashes, 51.6% occurred in urban areas of the State and 48.4% occurred in rural areas. However, 68.1% of the fatal speed-related traffic crashes occurred in a rural area.
- Of the speeding drivers in traffic crashes, 62.9% were male and 37.1% were female. The average age of speeding drivers was 32.1 years.
- Of the speeding drivers, 83.6% had a Missouri driver's license, 10.4% had an out-of-state driver's license, and 6.0% were unlicensed at the time of the traffic crash.
- Of the speeding drivers, 57.3% were driving an automobile and 18.1% were driving a pickup truck at the time of the crash.
- Of the speeding drivers in fatal traffic crashes, 39.6% had been drinking or had taken drugs which also contributed to the cause of the fatal traffic crash.

## 2009 MISSOURI TRAFFIC CRASHES

### SPEED INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL KILLED	TOTAL NUMBER <sup>1</sup> INJURED	SPEEDING DRIVERS <sup>2</sup> KILLED	INJURED
SPEED INVOLVED	320	41.1	8,371	23.0	17,795	16.0	26,486	17.8	365	12,428	231	6,106
NO SPEED INVOLVED	458	58.9	28,092	77.0	93,432	84.0	121,982	82.2	504	40,645	-	-
UNKNOWN <sup>3</sup>	8	-	536	-	3,983	-	4,527	-	9	756	-	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>231</b>	<b>6,106</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more drivers of motorized vehicles were speeding.

<sup>2</sup>This statistic indicates the number of speeding drivers killed and injured in motorized vehicles.

<sup>3</sup>Crashes were classified as unknown if there was no indication that speed was involved and the contributing circumstances of one or more drivers were not known.

**TABLE 3.1.1**

### 2008 and 2009 SPEED-INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	368	320	- 13.0
PERSONAL INJURY	9,079	8,371	- 7.8
PROPERTY DAMAGE	19,817	17,795	- 10.2
TOTAL	29,264	26,486	- 9.5

**TABLE 3.1.2**

### 2009 SPEED-INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	13	0.2	25	0.1	38	0.1
BICYCLIST	0	0.0	15	0.2	2	0.0	17	0.1
FIXED OBJECT	175	54.7	4,181	50.0	8,826	49.6	13,182	49.8
OTHER OBJECT	3	0.9	35	0.4	84	0.5	122	0.5
PEDESTRIAN	8	2.5	80	1.0	9	0.1	97	0.4
TRAIN	1	0.3	0	0.0	1	0.0	2	0.0
VEHICLE IN TRANSPORT	85	26.6	2,834	33.9	7,016	39.4	9,935	37.5
VEHICLE ON OTHER ROADWAY	2	0.6	12	0.1	23	0.1	37	0.1
PARKED VEHICLE	4	1.3	156	1.9	1,018	5.7	1,178	4.5
NONCOLLISION OVERTURN	40	12.5	959	11.5	632	3.6	1,631	6.2
NONCOLLISION OTHER	2	0.6	86	1.0	159	0.9	247	0.9
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

**TABLE 3.1.3**

## 2009 SPEED-INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	102	31.9	3,836	45.8	9,722	54.6	13,660	51.6
RURAL	218	68.1	4,535	54.2	8,073	45.4	12,826	48.4
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

**TABLE 3.1.4**

## 2009 SPEED-INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	177	55.3	5,233	62.9	12,397	70.9	17,807	68.2
CURVE	143	44.7	3,083	37.1	5,091	29.1	8,317	31.8
UNKNOWN	0	-	55	-	307	-	362	-
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

**TABLE 3.1.5**

## 2009 SPEED-INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	112	35.2	4,495	54.3	10,520	60.7	15,127	58.3
HILL	198	62.3	3,546	42.9	6,356	36.7	10,100	39.0
CREST	8	2.5	230	2.8	455	2.6	693	2.7
UNKNOWN	2	-	100	-	464	-	566	-
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

**TABLE 3.1.6**

## 2009 SPEED-INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	237	74.3	4,325	52.0	6,143	35.0	10,705	40.9
WET	57	17.9	3,009	36.2	7,767	44.2	10,833	41.3
SNOW	13	4.1	596	7.2	2,409	13.7	3,018	11.5
ICE	11	3.5	317	3.8	1,065	6.1	1,393	5.3
SLUSH	0	0.0	33	0.4	129	0.7	162	0.6
MUD	0	0.0	10	0.1	9	0.1	19	0.1
STANDING WATER	1	0.3	15	0.2	39	0.2	55	0.2
MOVING WATER	0	0.0	6	0.1	11	0.1	17	0.1
UNKNOWN	1	-	60	-	223	-	284	-
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

**TABLE 3.1.7**

## 2009 SPEED-INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	36	11.3	1,355	16.2	3,764	21.2	5,155	19.5
U.S. HIGHWAY	31	9.7	807	9.6	1,660	9.3	2,498	9.4
STATE NUMBERED	62	19.4	1,316	15.7	2,288	12.9	3,666	13.8
SINGLE STATE LETTERED	47	14.7	795	9.5	1,012	5.7	1,854	7.0
DOUBLE STATE LETTERED	18	5.6	329	3.9	468	2.6	815	3.1
OUTER ROAD	2	0.6	51	0.6	133	0.8	186	0.7
COUNTY ROAD	58	18.1	1,344	16.1	2,109	11.9	3,511	13.3
CITY STREET	63	19.7	2,256	27.0	6,031	33.9	8,350	31.5
INTERSTATE LOOP	0	0.0	6	0.1	20	0.1	26	0.1
OTHER <sup>1</sup>	3	0.9	112	1.3	310	1.7	425	1.6
<b>TOTAL</b>	320	100.0	8,371	100.0	17,795	100.0	26,486	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.1.8**

# 2009 SPEED-INVOLVED CRASHES

## HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	22	21.6	882	23.0	2,114	21.7	3,018	22.1	14	6.4	473	10.4	1,650	20.4	2,137	16.7
U.S. HIGHWAY	8	7.8	316	8.2	683	7.0	1,007	7.4	23	10.6	491	10.8	977	12.1	1,491	11.6
STATE NUMBERED	7	6.9	348	9.1	809	8.3	1,164	8.5	55	25.2	968	21.4	1,479	18.3	2,502	19.5
SINGLE STATE LETTERED	3	2.9	40	1.0	136	1.4	179	1.3	44	20.2	755	16.7	876	10.9	1,675	13.1
DOUBLE STATE LETTERED	3	2.9	34	0.9	87	0.9	124	0.9	15	6.9	295	6.5	381	4.7	691	5.4
OUTER ROAD	1	1.0	31	0.8	85	0.9	117	0.9	1	0.5	20	0.4	48	0.6	69	0.5
COUNTY ROAD	0	0.0	53	1.4	124	1.3	177	1.3	58	26.6	1,291	28.5	1,985	24.6	3,334	26.0
CITY STREET	58	56.9	2,063	53.8	5,471	56.3	7,592	55.6	5	2.3	193	4.3	560	6.9	758	5.9
INTERSTATE LOOP	0	0.0	1	0.0	10	0.1	11	0.1	0	0.0	5	0.1	10	0.1	15	0.1
OTHER <sup>1</sup>	0	0.0	68	1.8	203	2.1	271	2.0	3	1.4	44	1.0	107	1.3	154	1.2
TOTAL	102	100.0	3,836	100.0	9,722	100.0	13,660	100.0	218	100.0	4,535	100.0	8,073	100.0	12,826	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.1.9**

**2009 MISSOURI SPEED-INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	3,209	12.1
FEBRUARY	1,891	7.1
MARCH	1,896	7.2
APRIL	2,001	7.6
MAY	1,926	7.3
JUNE	1,710	6.5
JULY	1,874	7.1
AUGUST	1,650	6.2
SEPTEMBER	1,840	7.0
OCTOBER	2,951	11.1
NOVEMBER	1,823	6.9
DECEMBER	3,715	14.0
<b>TOTAL</b>	<b>26,486</b>	<b>100.0</b>

**TABLE 3.1.10**

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**2009 MISSOURI SPEED-INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	3,411	12.9
MONDAY	3,277	12.4
TUESDAY	4,046	15.3
WEDNESDAY	3,422	12.9
THURSDAY	3,757	14.2
FRIDAY	4,065	15.4
SATURDAY	4,471	16.9
UNKNOWN	37	--
<b>TOTAL</b>	<b>26,486</b>	<b>100.0</b>

**TABLE 3.1.11**



## 2009 MISSOURI SPEED-INVOLVED CRASHES

### HOUR OF DAY

hour	frequency	percent
12:01A - 12:59A	811	3.1
01:00A - 01:59A	859	3.3
02:00A - 02:59A	635	2.4
03:00A - 03:59A	500	1.9
04:00A - 04:59A	361	1.4
05:00A - 05:59A	487	1.9
06:00A - 06:59A	775	3.0
07:00A - 07:59A	1,410	5.4
08:00A - 08:59A	1,291	4.9
09:00A - 09:59A	1,107	4.2
10:00A - 10:59A	1,298	4.9
11:00A - 11:59A	1,205	4.6
NOON - 12:59P	1,259	4.8
01:00P - 01:59P	1,256	4.8
02:00P - 02:59P	1,465	5.6
03:00P - 03:59P	1,789	6.8
04:00P - 04:59P	1,762	6.7
05:00P - 05:59P	1,778	6.8
06:00P - 06:59P	1,348	5.1
07:00P - 07:59P	1,060	4.0
08:00P - 08:59P	980	3.7
09:00P - 09:59P	974	3.7
10:00P - 10:59P	961	3.7
11:00P - MIDNIGHT	885	3.4
UNKNOWN	230	--
<b>TOTAL</b>	26,486	100.0

**TABLE 3.1.12**

# DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES

## TYPE OF SPEEDING VIOLATION

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
EXCEEDING SPEED LIMIT	128	39.3	1,280	14.9	1,936	10.7	3,344	12.4
TOO FAST FOR CONDITIONS	180	55.2	7,013	81.8	15,801	86.9	22,994	84.9
EXCEEDING SPEED LIMIT AND TOO FAST FOR CONDITIONS	18	5.5	283	3.3	438	2.4	739	2.7
<b>TOTAL</b>	326	100.0	8,576	100.0	18,175	100.0	27,077	100.0

**TABLE 3.1.13**

# DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES

## SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	261	81.3	5,172	62.6	9,974	62.8	15,407	62.9
FEMALE	60	18.7	3,096	37.4	5,916	37.2	9,072	37.1
UNKNOWN	5	-	308	-	2,285	-	2,598	-
<b>TOTAL</b>	326	100.0	8,576	100.0	18,175	100.0	27,077	100.0

**TABLE 3.1.14**

## DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	33.4	-	32.2	-	32.0	-	32.1	-
14 YEARS AND UNDER	2	0.6	33	0.4	14	0.1	49	0.2
15 - 20 YEARS	71	22.1	2,289	27.8	4,417	28.0	6,777	27.8
21 - 25 YEARS	61	19.0	1,484	18.0	2,920	18.5	4,465	18.3
26 - 30 YEARS	40	12.5	971	11.8	1,943	12.3	2,954	12.1
31 - 35 YEARS	30	9.4	663	8.1	1,283	8.1	1,976	8.1
36 - 40 YEARS	27	8.4	552	6.7	1,059	6.7	1,638	6.7
41 - 45 YEARS	24	7.5	560	6.8	1,005	6.4	1,589	6.5
46 - 50 YEARS	18	5.6	523	6.4	967	6.1	1,508	6.2
51 - 55 YEARS	17	5.3	414	5.0	727	4.6	1,158	4.8
56 - 60 YEARS	11	3.4	257	3.1	536	3.4	804	3.3
61 - 65 YEARS	5	1.6	183	2.2	354	2.2	542	2.2
66 YEARS AND OVER	15	4.7	304	3.7	562	3.6	881	3.6
UNKNOWN	5	-	343	-	2,388	-	2,736	-
<b>TOTAL</b>	326	100.0	8,576	100.0	18,175	100.0	27,077	100.0

**TABLE 3.1.15**

**DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES**

**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MISSOURI</b>								
LEARNER'S PERMIT	3	0.9	81	1.0	111	0.7	195	0.8
OPERATOR'S LICENSE	226	71.1	6,314	78.2	12,195	79.5	18,735	78.9
MOTORCYCLE ONLY	1	0.3	0	0.0	1	0.0	2	0.0
COMMERCIAL DRIVER'S LICENSE	17	5.4	340	4.2	570	3.7	927	3.9
SUBTOTAL	247	77.7	6,735	83.4	12,877	83.9	19,859	83.6
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	4	0.1	5	0.0	9	0.0
OPERATOR'S LICENSE	18	5.6	613	7.6	1,541	10.0	2,172	9.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	4	1.3	79	1.0	190	1.3	273	1.2
SUBTOTAL	22	6.9	696	9.0	1,736	11.3	2,815	10.4
UNLICENSED	49	15.4	640	7.9	730	4.8	1,419	6.0
UNKNOWN	8	-	505	-	2,832	-	3,345	-
<b>TOTAL</b>	<b>326</b>	<b>100.0</b>	<b>8,576</b>	<b>100.0</b>	<b>18,175</b>	<b>100.0</b>	<b>27,077</b>	<b>100.0</b>

**TABLE 3.1.16**

## DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES

### TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	152	46.8	4,534	53.0	10,637	59.5	15,323	57.3
SPORT UTILITY VEHICLE	47	14.5	1,368	16.0	2,784	15.6	4,199	15.7
LIMOUSINE	0	0.0	0	0.0	2	0.0	2	0.0
VAN	4	1.2	319	3.7	741	4.1	1,064	4.0
BUS	1	0.3	11	0.1	19	0.1	31	0.1
SCHOOL BUS	0	0.0	7	0.1	16	0.1	23	0.1
MOTORCYCLE	32	9.9	481	5.6	72	0.4	585	2.2
ALL TERRAIN VEHICLE	12	3.7	92	1.1	5	0.0	109	0.4
MOPED	0	0.0	17	0.2	3	0.0	20	0.1
MOTOR HOME / CAMPER	1	0.3	0	0.0	6	0.0	7	0.0
FARM EQUIPMENT	0	0.0	1	0.0	0	0.0	1	0.0
CONSTRUCTION EQUIPMENT	0	0.0	2	0.0	3	0.0	5	0.0
OTHER TRANSPORT DEVICE	0	0.0	8	0.1	3	0.0	11	0.0
PICKUP TRUCK	70	21.5	1,540	18.0	3,227	18.0	4,837	18.1
OTHER TRUCKS	6	1.9	175	2.1	366	2.1	547	2.0
UNKNOWN	1	-	21	-	291	-	313	-
<b>TOTAL</b>	326	100.0	8,576	100.0	18,175	100.0	27,077	100.0

**TABLE 3.1.17**

## DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2009 MISSOURI CRASHES

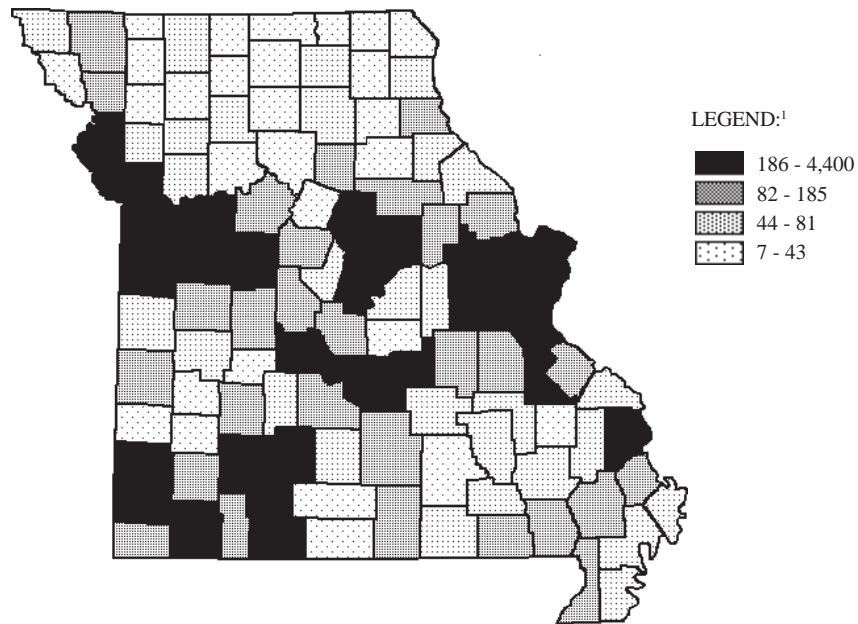
### DRIVER INTOXICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRINKING	102	31.3	949	11.1	910	5.0	1,961	7.2
USING DRUGS	7	2.2	71	0.8	54	0.3	132	0.5
DRINKING AND USING DRUGS	20	6.1	72	0.8	56	0.3	148	0.6
NOT DRINKING OR USING DRUGS / USE UNKNOWN	197	60.4	7,484	87.3	17,155	94.4	24,836	91.7
<b>TOTAL</b>	326	100.0	8,576	100.0	18,175	100.0	27,077	100.0

**TABLE 3.1.18**

## 2009 SPEED-INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	4,400	16.6	22.0	COLE	233	0.9
2.0	JACKSON	3,452	13.0	23.0	JOHNSON	228	0.9
3.0	ST. LOUIS CITY	2,432	9.2	24.0	PETTIS	226	0.9
4.0	ST. CHARLES	1,208	4.6	25.0	BARRY	206	0.8
5.0	JEFFERSON	988	3.7	26.0	CAMDEN	201	0.8
6.0	GREENE	859	3.2	27.0	WARREN	193	0.7
7.0	CLAY	758	2.9	28.0	WEBSTER	188	0.7
8.0	FRANKLIN	573	2.2	29.0	LAFAYETTE	186	0.7
9.0	BOONE	486	1.8	First Quartile			
10.0	PHELPS	446	1.7	-----			
11.0	PLATTE	406	1.5	Second Quartile			
12.0	JASPER	350	1.3	30.0	BUTLER	182	0.7
13.0	BUCHANAN	345	1.3	31.0	LACLEDE	172	0.6
14.0	TANEY	336	1.3	32.0	MCDONALD	156	0.6
15.0	CAPE GIRARDEAU	334	1.3	33.0	HOWELL	152	0.6
16.0	CASS	264	1.0	34.5	LINCOLN	150	0.6
17.5	CHRISTIAN	255	1.0	34.5	MILLER	150	0.6
17.5	NEWTON	255	1.0	36.0	LAWRENCE	148	0.6
19.0	CALLAWAY	252	1.0	37.5	SCOTT	145	0.5
20.0	PULASKI	245	0.9	37.5	STONE	145	0.5
21.0	ST. FRANCOIS	239	0.9	39.0	CRAWFORD	140	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	MARION	135	0.5	78.0	CARTER	50	0.2
41.0	POLK	130	0.5	79.0	REYNOLDS	49	0.2
42.0	SALINE	117	0.4	80.0	PIKE	48	0.2
43.0	TEXAS	115	0.4	81.0	ST. CLAIR	47	0.2
44.0	COOPER	112	0.4	83.0	LEWIS	46	0.2
45.0	MORGAN	111	0.4	83.0	WAYNE	46	0.2
46.0	WASHINGTON	109	0.4	83.0	WRIGHT	46	0.2
47.0	VERNON	106	0.4	85.5	ATCHISON	45	0.2
48.5	BENTON	103	0.4	85.5	CALDWELL	45	0.2
48.5	HENRY	103	0.4	87.0	MISSISSIPPI	44	0.2
50.5	MONTGOMERY	96	0.4	Third Quartile			
50.5	STODDARD	96	0.4				
52.0	RANDOLPH	95	0.4	Fourth Quartile			
53.0	NODAWAY	91	0.3	88.0	SHANNON	42	0.2
54.0	ANDREW	90	0.3	90.0	BARTON	41	0.2
55.0	STE. GENEVIEVE	87	0.3	90.0	DOUGLAS	41	0.2
56.0	AUDRAIN	85	0.3	90.0	HICKORY	41	0.2
57.0	RIPLEY	83	0.3	92.5	CEDAR	40	0.2
58.0	DUNKLIN	82	0.3	92.5	MADISON	40	0.2
Second Quartile				94.0	GRUNDY	39	0.1
				95.0	LINN	38	0.1
Third Quartile				96.5	CARROLL	36	0.1
59.5	DENT	80	0.3	96.5	DE KALB	36	0.1
59.5	RAY	80	0.3	98.0	HOLT	35	0.1
61.0	CLINTON	78	0.3	99.0	DAVISS	34	0.1
62.0	DALLAS	76	0.3	100.0	MARIES	33	0.1
63.0	GASCONADE	72	0.3	101.5	OZARK	30	0.1
64.0	MONITEAU	69	0.3	101.5	SULLIVAN	30	0.1
65.0	RALLS	68	0.3	103.0	CLARK	27	0.1
66.0	HARRISON	67	0.3	104.0	HOWARD	24	0.1
67.0	OSAGE	65	0.2	105.0	CHARITON	21	0.1
68.0	BATES	64	0.2	106.0	MONROE	19	0.1
69.0	LIVINGSTON	63	0.2	107.0	GENTRY	18	0.1
70.5	NEW MADRID	62	0.2	108.5	DADE	14	0.1
70.5	PEMISCOT	62	0.2	108.5	MERCER	14	0.1
72.0	PERRY	59	0.2	110.5	KNOX	12	0.0
73.0	MACON	58	0.2	110.5	SCHUYLER	12	0.0
74.0	IRON	55	0.2	112.0	SCOTLAND	11	0.0
75.0	BOLLINGER	54	0.2	113.0	WORTH	10	0.0
76.0	ADAIR	53	0.2	114.0	SHELBY	8	0.0
77.0	OREGON	52	0.2	115.0	PUTNAM	7	0.0

TABLE 3.1.19

## 2009 SPEED-INVOLVED CRASHES

### CITY LISTING

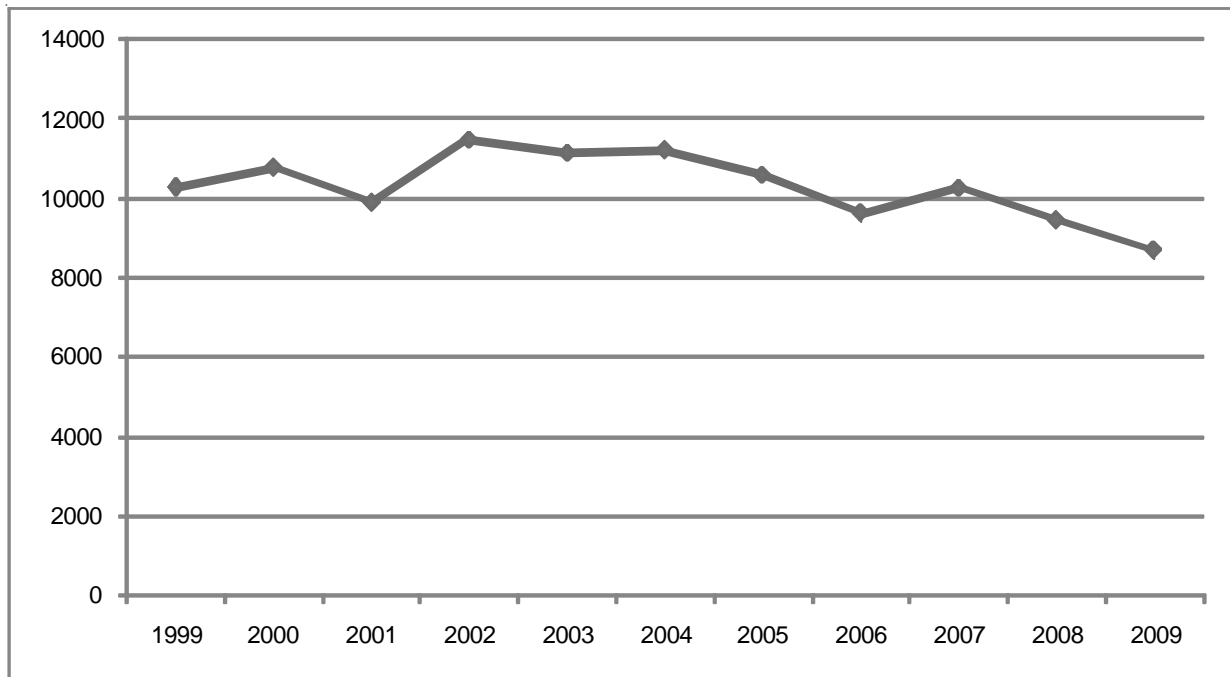
RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	2,680	17.6
2.0	ST. LOUIS	2,434	16.0
3.0	SPRINGFIELD	522	3.4
4.0	INDEPENDENCE	484	3.2
5.0	COLUMBIA	309	2.0
6.0	LEE'S SUMMIT	296	1.9
7.0	ST. JOSEPH	258	1.7
8.0	ST. CHARLES	222	1.5
9.0	O'FALLON	205	1.3
10.0	ST. PETERS	194	1.3
11.0	FLORISSANT	192	1.3
12.0	JOPLIN	190	1.2
13.0	CAPE GIRARDEAU	180	1.2
14.0	BLUE SPRINGS	176	1.2
15.0	MARYLAND HEIGHTS	175	1.1
16.0	HAZELWOOD	169	1.1
17.0	TOWN AND COUNTRY	164	1.1
18.0	BRIDGETON	158	1.0
19.0	CHESTERFIELD	151	1.0
20.0	ROLLA	145	1.0
21.0	BERKELEY	140	0.9
22.0	SUNSET HILLS	138	0.9
23.0	CREVE COEUR	135	0.9
24.0	WILDWOOD	124	0.8
25.0	ST. ANN	121	0.8
26.0	BELLEFONTAINE NEIGHBORS	120	0.8
27.0	JEFFERSON CITY	116	0.8
28.0	LIBERTY	112	0.7
29.0	SEDALIA	102	0.7
30.0	GRANDVIEW	100	0.7
31.0	BRANSON	94	0.6
32.0	UNIVERSITY CITY	93	0.6
33.0	KIRKWOOD	90	0.6
34.0	MANCHESTER	89	0.6
35.0	OVERLAND	88	0.6
36.0	FESTUS	79	0.6
37.5	POPLAR BLUFF	76	0.5
37.5	WEBSTER GROVES	76	0.5
39.0	FENTON	75	0.5
40.5	HANNIBAL	72	0.5
40.5	WARRENSBURG	72	0.5
42.0	WENTZVILLE	71	0.5
43.0	CLAYTON	70	0.5
44.0	ARNOLD	69	0.5

<sup>1</sup>Percentage is based on speed-involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.1.20**



**MISSOURI FATAL AND PERSONAL INJURY SPEED-INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.1.1**

## 3.2 DRINKING INVOLVEMENT

***This section presents a series of data displays which identify drinking involvement in Missouri's traffic crash experience. Drinking-involved traffic crashes are defined as any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. Data displays also are presented which identify characteristics of the drinking driver or pedestrian in these traffic crashes.***

***There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. Under-reporting exists for a number of reasons. First, symptoms of drinking may be masked from the investigating officer. The person's physical instability may be attributed to the shock of being in a crash or resulting physical injuries rather than to intoxication. Second, the investigating officer may not have an opportunity to observe or interview the person for an extended time period in cases where they require immediate medical attention and are transported from the scene. Finally, in cases where the investigating officer does determine a person has been drinking, there may not be enough evidence to indicate that their intoxicated condition contributed to the cause of the traffic crash. As a result, the apparent problem of under-reporting should be taken into consideration when evaluating data presented in this section.***

### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 4.9% were drinking related. Of all fatal traffic crashes, 30.1% were drinking related. A total of 264 persons were killed and 4,357 were injured in drinking-related traffic crashes.
- There was a decrease of 2.0% in the rate of change when comparing total 2009 drinking-related traffic crashes with those in 2008. There was a decrease of 1.3% when comparing 2009 fatal drinking-related traffic crashes with 2008.
- In 2009, one person was killed or injured in drinking-related traffic crashes every 2.7 hours in the State of Missouri.
- Of all drinking-related traffic crashes, 58.4% occurred on Friday, Saturday, or Sunday and 64.6% occurred between 7:00 P.M. and 2:59 A.M.
- Of the persons drinking in 2009 traffic crashes, 100% were driving a motorized vehicle, 0.2% were driving a non-motorized vehicle, and 1.5% were pedestrians.
- Of the drinking drivers of motorized vehicles, 73.8% were male and 22.3% were female. The average age of drinking drivers of motorized vehicles was 33.9 years.
- Of the drinking drivers of non-motorized vehicles, 15 were male and only one was female. The average age of drinking drivers of non-motorized vehicles was 41.6 years.
- Of the drinking drivers of motorized and non-motorized vehicles in 2009 crashes, 51.4% were driving an automobile, 25.3% were driving a pickup truck, and 15.5% were driving a sport utility vehicle at the time of the crash.

# 2009 MISSOURI TRAFFIC CRASHES

## DRINKING INVOLVEMENT

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL		%		TOTAL NUMBER <sup>1</sup>		DRINKING DRIVERS / PEDESTRIANS <sup>2</sup>	
DRINKING INVOLVED	233	30.1	3,035	8.4	3,961	3.6	7,229	4.9	264	4,357	166	2,418		
NO DRINKING INVOLVED	540	69.9	33,169	91.6	107,150	96.4	140,859	95.1	600	48,423	-	-		
UNKNOWN <sup>3</sup>	13	-	795	-	4,099	-	4,907	-	14	1,049	-	-		
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>166</b>	<b>2,418</b>		

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more drivers or pedestrians were drinking.

<sup>2</sup>This statistic indicates the number of drinking drivers or pedestrians killed and injured.

<sup>3</sup>Crashes were classified as unknown if there was no indication that drinking was involved and the contributing circumstances of one or more drivers or pedestrians were not known.

TABLE 3.2.1

### 2008 and 2009 DRINKING-INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	236	233	-1.3
PERSONAL INJURY	3,119	3,035	-2.7
PROPERTY DAMAGE	4,019	3,961	-1.4
TOTAL	7,374	7,229	-2.0

**TABLE 3.2.2**

### 2009 DRINKING-INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	2	0.1	6	0.2	8	0.1
BICYCLIST	0	0.0	17	0.6	5	0.1	22	0.3
FIXED OBJECT	128	54.9	1,749	57.6	2,205	55.7	4,082	56.5
OTHER OBJECT	2	0.9	22	0.7	37	0.9	61	0.8
PEDESTRIAN	17	7.3	103	3.4	3	0.1	123	1.7
TRAIN	1	0.4	1	0.0	1	0.0	3	0.0
VEHICLE IN TRANSPORT	60	25.8	726	23.9	1,047	26.4	1,833	25.4
VEHICLE ON OTHER ROADWAY	0	0.0	4	0.1	1	0.0	5	0.1
PARKED VEHICLE	1	0.4	125	4.1	526	13.3	652	9.0
NONCOLLISION OVERTURN	23	9.9	256	8.4	101	2.6	380	5.3
NONCOLLISION OTHER	1	0.4	30	1.0	29	0.7	60	0.8
<b>TOTAL</b>	233	100.0	3,035	100.0	3,961	100.0	7,229	100.0

**TABLE 3.2.3**

## 2009 DRINKING-INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	57	24.5	1,284	42.3	2,150	54.3	3,491	48.3
RURAL	176	75.5	1,751	57.7	1,811	45.7	3,738	51.7
<b>TOTAL</b>	233	100.0	3,035	100.0	3,961	100.0	7,229	100.0

**TABLE 3.2.4**

## 2009 DRINKING-INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	136	58.4	1,980	65.5	2,968	75.8	5,084	70.9
CURVE	97	41.6	1,045	34.5	946	24.2	2,088	29.1
UNKNOWN	0	-	10	-	47	-	57	-
<b>TOTAL</b>	233	100.0	3,035	100.0	3,961	100.0	7,229	100.0

**TABLE 3.2.5**

## 2009 DRINKING-INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	93	40.0	1,719	57.3	2,541	65.4	4,353	61.2
HILL	134	57.8	1,206	40.1	1,272	32.7	2,612	36.7
CREST	5	2.2	77	2.6	72	1.9	154	2.1
UNKNOWN	1	-	33	-	76	-	110	-
<b>TOTAL</b>	233	100.0	3,035	100.0	3,885	100.0	7,229	100.0

**TABLE 3.2.6**

## 2009 DRINKING-INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	198	85.3	2,527	83.7	3,154	80.7	5,879	82.1
WET	30	12.9	444	14.7	649	16.6	1,123	15.7
SNOW	2	0.9	29	1.0	75	1.9	106	1.5
ICE	2	0.9	13	0.4	20	0.5	35	0.5
SLUSH	0	0.0	1	0.0	4	0.1	5	0.1
MUD	0	0.0	3	0.1	4	0.1	7	0.1
STANDING WATER	0	0.0	0	0.0	2	0.1	2	0.0
MOVING WATER	0	0.0	1	0.0	0	0.0	1	0.0
UNKNOWN	1	-	17	-	53	-	71	-
<b>TOTAL</b>	233	100.0	3,035	100.0	3,961	100.0	7,229	100.0

**TABLE 3.2.7**

## 2009 DRINKING-INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	13	5.6	223	7.4	322	8.1	558	7.7
U.S. HIGHWAY	13	5.6	277	9.1	254	6.4	544	7.5
STATE NUMBERED	63	27.0	500	16.5	514	13.0	1,077	14.9
SINGLE STATE LETTERED	46	19.7	314	10.4	287	7.3	647	9.0
DOUBLE STATE LETTERED	20	8.6	159	5.2	138	3.5	317	4.4
OUTER ROAD	3	1.3	21	0.7	31	0.8	55	0.8
COUNTY ROAD	35	15.0	520	17.1	603	15.2	1,158	16.0
CITY STREET	32	13.7	975	32.1	1,715	43.3	2,722	37.7
INTERSTATE LOOP	2	0.9	2	0.1	13	0.3	17	0.2
OTHER <sup>1</sup>	6	2.6	44	1.5	84	2.1	134	1.9
<b>TOTAL</b>	233	100.0	3,035	100.0	3,961	100.0	7,229	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.2.8**

**2009 DRINKING-INVOLVED CRASHES**  
**HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY**

	URBAN								RURAL							
	PERSONAL INJURY				PROPERTY DAMAGE				PERSONAL INJURY				PROPERTY DAMAGE			
	FATAL	%			FATAL	%			FATAL	%			FATAL	%		
INTERSTATE	9	15.8	133	10.4	175	8.1	317	9.1	4	2.3	90	5.1	147	8.1	241	6.5
U.S. HIGHWAY	6	10.5	94	7.3	115	5.4	215	6.2	7	4.0	183	10.5	139	7.7	329	8.8
STATE NUMBERED	6	10.5	102	7.9	188	8.7	296	8.5	57	32.4	398	22.7	326	18.0	781	20.9
SINGLE STATE LETTERED	1	1.8	12	0.9	38	1.8	51	1.5	45	25.6	302	17.3	249	13.8	596	15.9
DOUBLE STATE LETTERED	3	5.3	20	1.6	24	1.1	47	1.4	17	9.7	139	7.9	114	6.3	270	7.2
OUTER ROAD	1	1.8	6	0.5	17	0.8	24	0.7	2	1.1	15	0.9	14	0.8	31	0.8
COUNTY ROAD	0	0.0	25	2.0	29	1.4	54	1.6	35	19.9	495	28.3	574	31.7	1,104	29.5
CITY STREET	31	54.4	868	67.6	1,510	70.2	2,409	69.0	1	0.6	107	6.1	205	11.3	313	8.4
INTERSTATE LOOP	0	0.0	1	0.1	6	0.3	7	0.2	2	1.1	1	0.1	7	0.4	10	0.3
OTHER <sup>1</sup>	0	0.0	23	1.8	48	2.2	71	2.0	6	3.4	21	1.2	36	2.0	63	1.7
TOTAL	57	100.0	1,284	100.0	2,150	100.0	3,491	100.0	176	100.0	1,751	100.0	1,811	100.0	3,738	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.2.9**

**2009 MISSOURI DRINKING-INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	586	8.1
FEBRUARY	550	7.6
MARCH	611	8.5
APRIL	594	8.2
MAY	694	9.6
JUNE	617	8.5
JULY	542	7.5
AUGUST	631	8.7
SEPTEMBER	552	7.6
OCTOBER	683	9.5
NOVEMBER	593	8.2
DECEMBER	576	8.0
<b>TOTAL</b>	7,229	100.0

**TABLE 3.2.10**

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**2009 MISSOURI DRINKING-INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	1,411	19.5
MONDAY	609	8.4
TUESDAY	732	10.1
WEDNESDAY	792	11.0
THURSDAY	866	12.0
FRIDAY	1,145	15.8
SATURDAY	1,672	23.1
UNKNOWN	2	--
<b>TOTAL</b>	7,229	100.0

**TABLE 3.2.11**



## 2009 MISSOURI DRINKING-INVOLVED CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	629	8.8
01:00A - 01:59A	839	11.8
02:00A - 02:59A	545	7.6
03:00A - 03:59A	344	4.8
04:00A - 04:59A	226	3.2
05:00A - 05:59A	135	1.9
06:00A - 06:59A	82	1.2
07:00A - 07:59A	75	1.1
08:00A - 08:59A	69	1.0
09:00A - 09:59A	49	0.7
10:00A - 10:59A	53	0.7
11:00A - 11:59A	64	0.9
NOON - 12:59P	77	1.1
01:00P - 01:59P	86	1.2
02:00P - 02:59P	132	1.9
03:00P - 03:59P	196	2.8
04:00P - 04:59P	237	3.3
05:00P - 05:59P	332	4.7
06:00P - 06:59P	371	5.2
07:00P - 07:59P	426	6.0
08:00P - 08:59P	469	6.6
09:00P - 09:59P	525	7.4
10:00P - 10:59P	574	8.1
11:00P - MIDNIGHT	594	8.3
UNKNOWN	100	--
<b>TOTAL</b>	7,229	100.0

**TABLE 3.2.12**

**PERSONS DRINKING IN 2009 MISSOURI CRASHES**

**PERSON TYPE AND SEX BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MALE</b>								
DRIVERS MOTORIZED VEHICLES	192	86.1	2,282	77.2	2,800	70.6	5,274	73.8
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	12	0.4	3	0.1	15	0.2
PEDESTRIANS	11	4.9	73	2.5	3	0.1	87	1.2
<b>FEMALE</b>								
DRIVERS MOTORIZED VEHICLES	31	13.9	642	21.7	917	23.1	1,590	22.3
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	1	0.0	0	0.0	1	0.0
PEDESTRIANS	6	2.7	18	0.6	0	0.0	24	0.3
<b>SEX UNKNOWN</b>								
DRIVERS MOTORIZED VEHICLES	0	0.0	33	1.1	247	6.2	280	3.9
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	0	0.0	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>223</b>	<b>100.0</b>	<b>2,957</b>	<b>100.0</b>	<b>3,964</b>	<b>100.0</b>	<b>7,144</b>	<b>100.0</b>

**TABLE 3.2.13**

## DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2009 MISSOURI CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	33.6	-	33.6	-	34.2	-	33.9	-
14 YEARS AND UNDER	0	0.0	0	0.0	1	0.0	1	0.0
15 - 20 YEARS	34	15.3	357	12.3	387	10.5	778	11.4
21 - 25 YEARS	48	21.5	682	23.4	867	23.5	1,597	23.4
26 - 30 YEARS	27	12.1	454	15.6	597	16.1	1,078	15.8
31 - 35 YEARS	21	9.4	296	10.2	342	9.3	659	9.6
36 - 40 YEARS	26	11.7	237	8.1	350	9.5	613	9.0
41 - 45 YEARS	21	9.4	279	9.6	342	9.3	642	9.4
46 - 50 YEARS	20	9.0	270	9.3	356	9.6	646	9.5
51 - 55 YEARS	15	6.7	178	6.1	196	5.3	389	5.7
56 - 60 YEARS	7	3.1	87	3.0	127	3.4	221	3.2
61 - 65 YEARS	2	0.9	46	1.6	70	1.9	118	1.7
66 YEARS AND OVER	2	0.9	29	1.0	63	1.7	94	1.4
UNKNOWN	0	-	42	-	266	-	308	-
<b>TOTAL</b>	223	100.0	2,957	100.0	3,964	100.0	7,144	100.0

**TABLE 3.2.14**

# DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	0.0	-	42.3	-	38.3	-	41.6	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	3	23.1	0	0.0	3	18.8
26 - 30 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
31 - 35 YEARS	0	0.0	0	0.0	2	66.7	2	12.5
36 - 40 YEARS	0	0.0	3	23.1	0	0.0	3	18.8
41 - 45 YEARS	0	0.0	2	15.4	0	0.0	2	12.5
46 - 50 YEARS	0	0.0	1	7.7	1	33.3	2	12.5
51 - 55 YEARS	0	0.0	1	7.7	0	0.0	1	6.3
56 - 60 YEARS	0	0.0	3	23.1	0	0.0	3	18.8
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	0	-	0	-
<b>TOTAL</b>	0	0.0	13	100.0	3	0.0	16	100.0

**TABLE 3.2.15**

**PEDESTRIANS DRINKING IN 2009 MISSOURI CRASHES**

**AGE OF PEDESTRIAN BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>AVERAGE AGE OF PEDESTRIAN</b>	33.0	-	37.1	-	40.0	-	37.0	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	2	11.8	4	4.4	0	0.0	6	5.4
21 - 25 YEARS	3	17.7	13	14.3	0	0.0	16	14.4
26 - 30 YEARS	0	0.0	14	15.4	0	0.0	14	12.6
31 - 35 YEARS	2	11.8	8	8.8	1	33.3	11	9.9
36 - 40 YEARS	4	23.5	11	12.1	0	0.0	15	13.5
41 - 45 YEARS	2	11.8	9	9.9	2	66.7	13	11.7
46 - 50 YEARS	2	11.8	15	16.5	0	0.0	17	15.3
51 - 55 YEARS	0	0.0	5	5.5	0	0.0	5	4.5
56 - 60 YEARS	0	0.0	8	8.8	0	0.0	8	7.2
61 - 65 YEARS	1	5.9	3	3.3	0	0.0	4	3.6
66 YEARS AND OVER	1	5.9	1	1.1	0	0.0	2	1.8
UNKNOWN	0	-	0	-	0	-	0	-
<b>TOTAL</b>	17	100.0	91	100.0	3	100.0	111	100.0

**TABLE 3.2.16**

# DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 2009 MISSOURI CRASHES

## TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	98	44.0	1,463	49.3	2,110	53.5	3,671	51.4
SPORT UTILITY VEHICLE	31	13.9	434	14.6	640	16.2	1,105	15.5
LIMOUSINE	0	0.0	0	0.0	2	0.1	2	0.0
VAN	4	1.8	93	3.1	186	4.7	283	4.0
BUS	0	0.0	0	0.0	3	0.1	3	0.0
SCHOOL BUS	0	0.0	0	0.0	0	0.0	0	0.0
MOTORCYCLE	12	5.4	110	3.7	23	0.6	145	2.0
ALL TERRAIN VEHICLE	7	3.1	51	1.7	1	0.0	59	0.8
MOPED	1	0.5	14	0.5	0	0.0	15	0.2
BICYCLE	0	0.0	12	0.4	3	0.1	15	0.2
MOTOR HOME / CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
FARM EQUIPMENT	1	0.5	2	0.1	0	0.0	3	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	3	0.1	1	0.0	4	0.1
PICKUP TRUCK	69	30.9	774	26.1	959	24.3	1,802	25.3
OTHER TRUCKS	0	0.0	14	0.5	16	0.4	30	0.4
UNKNOWN	0	-	0	-	22	-	22	-
<b>TOTAL</b>	223	100.0	2,970	100.0	3,967	100.0	7,160	100.0

TABLE 3.2.17

## DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2009 MISSOURI CRASHES

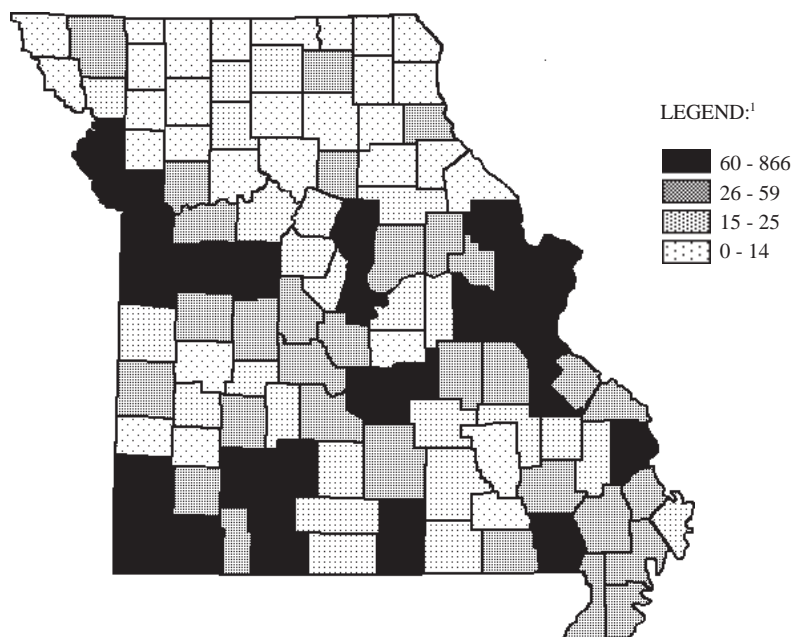
### DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	1	0.5	9	0.3	8	0.2	18	0.3
OPERATOR'S LICENSE	152	69.1	2,003	70.4	2,663	73.8	4,818	72.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	15	6.8	120	4.2	129	3.6	264	4.0
SUBTOTAL	168	76.4	2,132	74.9	2,800	77.6	5,100	76.5
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	16	7.3	191	6.7	274	7.6	481	7.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	8	0.3	9	0.2	17	0.3
SUBTOTAL	16	7.3	199	7.0	283	7.8	498	7.5
UNLICENSED	36	16.4	514	18.1	527	14.6	1,077	16.1
UNKNOWN	3	-	112	-	354	-	469	-
<b>TOTAL</b>	<b>223</b>	<b>100.0</b>	<b>2,957</b>	<b>100.0</b>	<b>3,964</b>	<b>100.0</b>	<b>7,144</b>	<b>100.0</b>

**TABLE 3.2.18**

## 2009 DRINKING-INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	866	12.0	23.0	BUTLER	71	1.0
2.0	ST. LOUIS	838	11.6	24.0	ST. FRANCOIS	68	0.9
3.0	GREENE	458	6.3	25.0	NEWTON	65	0.9
4.0	ST. CHARLES	361	5.0	26.0	WEBSTER	64	0.9
5.0	JEFFERSON	304	4.2	27.5	CHRISTIAN	63	0.9
6.0	ST. LOUIS CITY	235	3.3	27.5	HOWELL	63	0.9
7.0	CLAY	219	3.0	29.0	LINCOLN	60	0.8
8.0	BOONE	204	2.8				First Quartile
9.0	FRANKLIN	174	2.4				Second Quartile
10.0	BUCHANAN	159	2.2	30.0	CALLAWAY	57	0.8
11.0	JASPER	139	1.9	31.0	CAMDEN	55	0.8
12.0	TANEY	117	1.6	32.0	CRAWFORD	54	0.7
13.0	JOHNSON	98	1.4	33.0	STODDARD	51	0.7
14.5	CASS	86	1.2	35.0	LAWRENCE	48	0.7
14.5	PLATTE	86	1.2	35.0	MARION	48	0.7
16.0	COLE	85	1.2	35.0	MILLER	48	0.7
17.0	PETTIS	83	1.1	37.5	LAFAYETTE	47	0.7
18.0	BARRY	81	1.1	37.5	STONE	47	0.7
19.0	PULASKI	80	1.1	39.0	SCOTT	43	0.6
20.0	MCDONALD	75	1.0	40.0	DUNKLIN	41	0.6
21.0	PHELPS	74	1.0	41.0	RIPLEY	40	0.6
22.0	CAPE GIRARDEAU	72	1.0				



RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
42.0	LACLEDE	38	0.5	80.0	HOWARD	16	0.2
43.0	PEMISCOT	36	0.5	80.0	MISSISSIPPI	16	0.2
44.0	TEXAS	34	0.5	80.0	SHANNON	16	0.2
45.0	WARREN	33	0.5	83.5	BOLLINGER	15	0.2
46.5	MORGAN	31	0.4	83.5	DOUGLAS	15	0.2
46.5	VERNON	31	0.4	83.5	GRUNDY	15	0.2
49.0	MONTGOMERY	29	0.4	83.5	MADISON	15	0.2
49.0	PERRY	29	0.4	Third Quartile			
49.0	POLK	29	0.4	Fourth Quartile			
51.5	RANDOLPH	28	0.4	87.5	CLINTON	14	0.2
51.5	RAY	28	0.4	87.5	LINN	14	0.2
53.5	ADAIR	27	0.4	87.5	MACON	14	0.2
53.5	HENRY	27	0.4	87.5	RALLS	14	0.2
57.5	BENTON	26	0.4	91.0	HARRISON	13	0.2
57.5	NEW MADRID	26	0.4	91.0	MARIES	13	0.2
57.5	NODAWAY	26	0.4	91.0	PIKE	13	0.2
57.5	STE. GENEVIEVE	26	0.4	94.0	BARTON	11	0.2
57.5	WASHINGTON	26	0.4	94.0	CARROLL	11	0.2
57.5	WAYNE	26	0.4	94.0	REYNOLDS	11	0.2
Second Quartile				96.5	CARTER	10	0.1
Third Quartile				96.5	HOLT	10	0.1
61.0	COOPER	25	0.3	100.5	ATCHISON	9	0.1
63.0	ANDREW	23	0.3	100.5	CALDWELL	9	0.1
63.0	AUDRAIN	23	0.3	100.5	CLARK	9	0.1
63.0	DENT	23	0.3	100.5	GENTRY	9	0.1
65.0	MONITEAU	22	0.3	100.5	LEWIS	9	0.1
68.0	DALLAS	21	0.3	100.5	MONROE	9	0.1
68.0	GASCONADE	21	0.3	105.0	DAVIESS	8	0.1
68.0	HICKORY	21	0.3	105.0	KNOX	8	0.1
68.0	OREGON	21	0.3	105.0	SHELBY	8	0.1
68.0	OZARK	21	0.3	107.5	DE KALB	7	0.1
71.0	OSAGE	20	0.3	107.5	ST. CLAIR	7	0.1
72.5	IRON	19	0.3	109.5	CHARITON	6	0.1
72.5	SALINE	19	0.3	109.5	SCOTLAND	6	0.1
75.0	CEDAR	18	0.2	111.5	MERCER	5	0.1
75.0	LIVINGSTON	18	0.2	111.5	SCHUYLER	5	0.1
75.0	SULLIVAN	18	0.2	113.0	PUTNAM	4	0.1
77.5	BATES	17	0.2	114.0	DADE	3	0.0
77.5	WRIGHT	17	0.2	115.0	WORTH	2	0.0

TABLE 3.2.19

## 2009 DRINKING-INVOLVED CRASHES

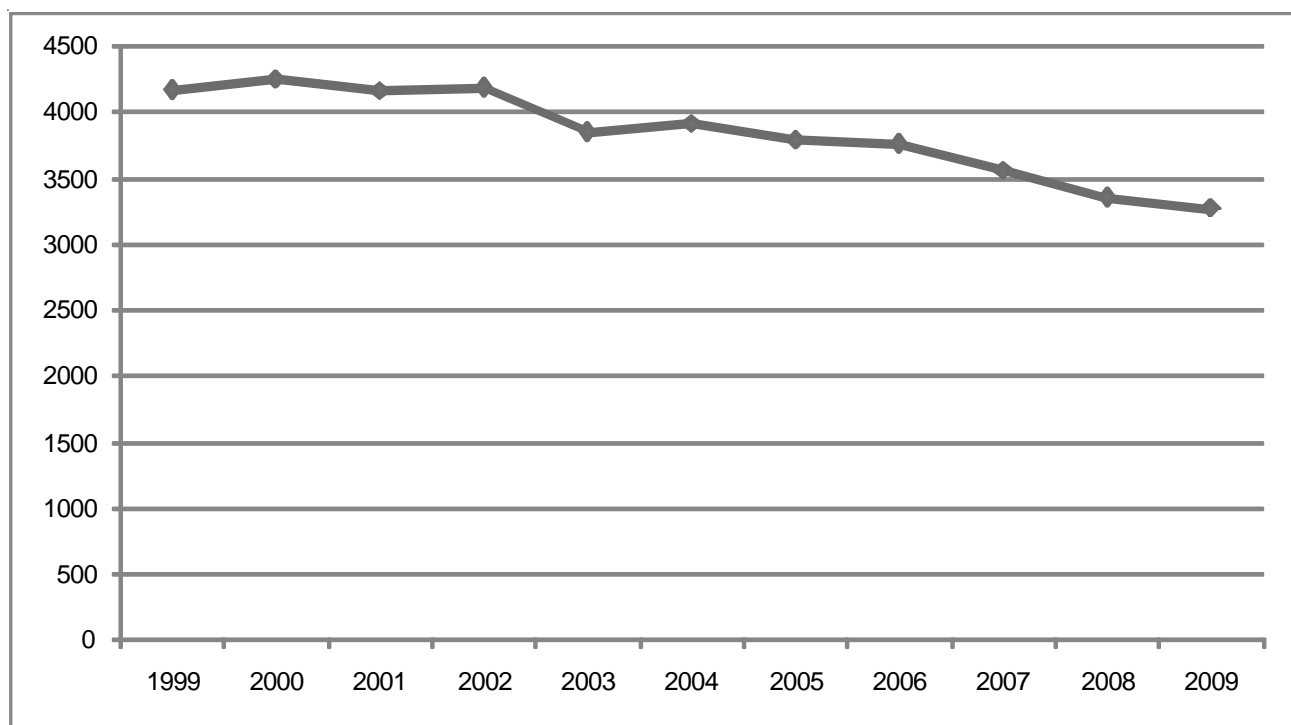
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	513	13.0
2.0	SPRINGFIELD	344	8.7
3.0	ST. LOUIS	235	5.9
4.0	INDEPENDENCE	179	4.5
5.5	COLUMBIA	142	3.6
5.5	ST. JOSEPH	142	3.6
7.0	LEE'S SUMMIT	102	2.6
8.0	ST. CHARLES	81	2.0
9.0	JOPLIN	70	1.8
10.5	BLUE SPRINGS	63	1.6
10.5	FLORISSANT	63	1.6
12.0	O'FALLON	59	1.5
13.5	ST. PETERS	49	1.2
13.5	WARRENSBURG	49	1.2
15.0	SEDALIA	46	1.2
16.0	MARYLAND HEIGHTS	44	1.1
17.0	GRANDVIEW	40	1.0
18.0	JEFFERSON CITY	38	1.0
19.0	OVERLAND	37	0.9
20.0	CHESTERFIELD	34	0.9
21.5	HANNIBAL	32	0.8
21.5	ROLLA	32	0.8
23.0	WASHINGTON	29	0.7
24.5	LIBERTY	27	0.7
24.5	UNIVERSITY CITY	27	0.7
26.5	POPLAR BLUFF	26	0.7
26.5	WEBSTER GROVES	26	0.7
28.0	ARNOLD	25	0.6
30.0	BRANSON	24	0.6
30.0	NORTH KANSAS CITY	24	0.6
30.0	TOWN AND COUNTRY	24	0.6
33.5	FENTON	23	0.6
33.5	HAZELWOOD	23	0.6
33.5	LAKE ST. LOUIS	23	0.6
33.5	ST. ROBERT	23	0.6
36.5	BRIDGETON	22	0.6
36.5	RAYTOWN	22	0.6
38.0	WILDWOOD	21	0.5
41.0	BELTON	20	0.5
41.0	CLAYTON	20	0.5
41.0	CREVE COEUR	20	0.5
41.0	GLADSTONE	20	0.5
41.0	KIRKSVILLE	20	0.5
44.5	FESTUS	19	0.5
44.5	ST. JOHN	19	0.5

<sup>1</sup>Percentage is based on drinking-involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.2.20**

**MISSOURI FATAL AND PERSONAL INJURY DRINKING-INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.2.1**

### 3.3 YOUNG DRIVER INVOLVEMENT

***This section presents a series of data displays which describe young driver involvement in Missouri's traffic crash experience. Young driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21. Data displays also are provided which identify characteristics of these young drivers.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 27.3% involved a young driver. Of all fatal traffic crashes, 18.4% involved a young driver. A total of 160 persons were killed and 15,097 were injured in traffic crashes involving young drivers.
- There was a decrease of 0.2% in the rate of change when comparing 2009 young driver traffic crashes with those in 2008. There was a decrease of 10.1% when comparing 2009 fatal young driver traffic crashes with 2008.
- In 2009, one person was killed or injured in young driver related traffic crashes every 53.5 minutes in the State of Missouri.
- Of all young driver related traffic crashes, the first harmful event in 73.8% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 18.3% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In young driver fatal traffic crashes, 40.9% of the cases involved a motor vehicle striking a fixed object.
- Of all 2009 young driver crashes, 64.1% occurred in an urban area and 35.9% occurred in a rural area of the State. However, 74.6% of the fatal young driver crashes occurred in a rural area.
- Of all young driver traffic crashes, 31.8% occurred on Friday or Saturday.
- Of all young drivers in traffic crashes, 52.8% were male and 47.2% were female. Of those young drivers in fatal traffic crashes, 75.5% were male. The average age of young drivers (20 years and under) was 18.0 years.
- Of the young drivers, 91.7% had a Missouri driver's license / permit, 5.4% had an out-of-state driver's license, and 3.0% were unlicensed at the time of the crash.
- Of the young drivers, 69.4% were driving an automobile and 13.9% were driving a pickup truck at the time of the crash.
- In 50.7% of the 2009 young driver related fatal traffic crashes, a young driver was either exceeding the speed limit or driving too fast for conditions which contributed to the cause of the crash. In 23.9% of these fatal crashes, the young driver's drinking condition contributed to the cause of the crash.

## 2009 MISSOURI TRAFFIC CRASHES

### YOUNG DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL KILLED	TOTAL NUMBER <sup>1</sup> INJURED	YOUNG DRIVERS <sup>2</sup> KILLED	YOUNG DRIVERS <sup>2</sup> INJURED
YOUNG DRIVER INVOLVED	142	18.4	9,691	27.4	27,068	27.3	36,901	27.3	160	15,097	70	6,004
NO YOUNG DRIVER INVOLVED	630	81.6	25,685	72.6	72,088	72.7	98,403	72.7	704	36,660	-	-
UNKNOWN <sup>3</sup>	14	-	1,623	-	15,825	-	17,462	-	14	2,072	-	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>114,981</b>	<b>100.0</b>	<b>152,766</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>70</b>	<b>6,004</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more young drivers were involved.

<sup>2</sup>This statistic indicates the number of young drivers killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 20 years of age and younger and the ages of one or more drivers involved in the crash was not known.

**TABLE 3.3.1**

### 2008 and 2009 YOUNG DRIVER INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	158	142	-10.1
PERSONAL INJURY	9,976	9,691	-2.9
PROPERTY DAMAGE	26,853	27,068	+0.8
TOTAL	36,987	36,901	-0.2

**TABLE 3.3.2**

### 2009 YOUNG DRIVER INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	43	0.4	368	1.4	411	1.1
BICYCLIST	0	0.0	59	0.6	14	0.1	73	0.2
FIXED OBJECT	58	40.9	2,268	23.4	4,442	16.4	6,768	18.3
OTHER OBJECT	0	0.0	30	0.3	96	0.4	126	0.3
PEDESTRIAN	7	4.9	141	1.5	8	0.0	156	0.4
TRAIN	0	0.0	0	0.0	2	0.0	2	0.0
VEHICLE IN TRANSPORT	68	47.9	6,496	67.0	20,676	76.4	27,240	73.8
VEHICLE ON OTHER ROADWAY	1	0.7	6	0.1	45	0.2	52	0.1
PARKED VEHICLE	1	0.7	142	1.5	1,028	3.8	1,171	3.2
NONCOLLISION OVERTURN	7	4.9	454	4.7	263	1.0	724	2.0
NONCOLLISION OTHER	0	0.0	52	0.5	126	0.5	178	0.5
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

**TABLE 3.3.3**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	36	25.4	5,800	59.9	17,833	65.9	23,669	64.1
RURAL	106	74.6	3,891	40.1	9,235	34.1	13,232	35.9
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

**TABLE 3.3.4**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	79	55.6	7,818	81.2	22,518	85.0	30,415	83.9
CURVE	63	44.4	1,806	18.8	3,973	15.0	5,842	16.1
UNKNOWN	0	-	67	-	577	-	644	-
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

**TABLE 3.3.5**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	49	34.8	6,246	65.4	18,274	69.7	24,569	68.4
HILL	90	63.8	3,037	31.8	7,295	27.8	10,422	29.0
CREST	2	1.4	267	2.8	651	2.5	920	2.6
UNKNOWN	1	-	141	-	848	-	990	-
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

**TABLE 3.3.6**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	125	88.0	7,501	77.9	20,144	75.2	27,770	75.9
WET	15	10.6	1,895	19.7	5,675	21.2	7,585	20.7
SNOW	1	0.7	135	1.4	646	2.4	782	2.1
ICE	1	0.7	68	0.7	260	1.0	329	0.9
SLUSH	0	0.0	15	0.2	47	0.2	62	0.2
MUD	0	0.0	5	0.1	9	0.0	14	0.0
STANDING WATER	0	0.0	4	0.0	15	0.1	19	0.1
MOVING WATER	0	0.0	7	0.1	4	0.0	11	0.0
UNKNOWN	0	-	61	-	268	-	329	-
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

**TABLE 3.3.7**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	8	5.6	762	7.9	2,346	8.7	3,116	8.4
U.S. HIGHWAY	25	17.6	898	9.3	2,501	9.2	3,424	9.3
STATE NUMBERED	27	19.0	1,625	16.8	4,297	15.9	5,949	16.1
SINGLE STATE LETTERED	28	19.7	740	7.6	1,439	5.3	2,207	6.0
DOUBLE STATE LETTERED	9	6.3	312	3.2	643	2.4	964	2.6
OUTER ROAD	1	0.7	73	0.8	229	0.9	303	0.8
COUNTY ROAD	25	17.6	1,157	11.9	2,509	9.3	3,691	10.0
CITY STREET	18	12.7	3,875	40.0	12,227	45.2	16,120	43.7
INTERSTATE LOOP	0	0.0	33	0.3	97	0.4	130	0.4
OTHER <sup>1</sup>	1	0.7	216	2.2	780	2.9	997	2.7
<b>TOTAL</b>	142	100.0	9,691	100.0	27,068	100.0	36,901	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.3.8**



# 2009 YOUNG DRIVER INVOLVED CRASHES

## HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	6	16.7	528	9.1	1,462	8.2	1,996	8.4	2	1.9	234	6.0	884	9.6	1,120	8.5
U.S. HIGHWAY	6	16.7	427	7.4	1,426	8.0	1,859	7.9	19	17.9	471	12.1	1,075	11.6	1,565	11.8
STATE NUMBERED	2	5.6	750	12.9	2,233	12.5	2,985	12.6	25	23.6	875	22.5	2,064	22.4	2,964	22.4
SINGLE STATE LETTERED	2	5.6	128	2.2	441	2.5	571	2.4	26	24.5	612	15.7	998	10.8	1,636	12.4
DOUBLE STATE LETTERED	3	8.3	85	1.5	292	1.6	380	1.6	6	5.7	227	5.8	351	3.8	584	4.4
OUTER ROAD	0	0.0	56	1.0	153	0.9	209	0.9	1	0.9	17	0.4	76	0.8	94	0.7
COUNTY ROAD	0	0.0	90	1.6	280	1.6	370	1.6	25	23.6	1,067	27.4	2,229	24.1	3,321	25.1
CITY STREET	16	44.4	3,561	61.4	10,934	61.3	14,511	61.3	2	1.9	314	8.1	1,293	14.0	1,609	12.2
INTERSTATE LOOP	0	0.0	18	0.3	50	0.3	68	0.3	0	0.0	15	0.4	47	0.5	62	0.5
OTHER <sup>1</sup>	1	2.8	157	2.7	562	3.2	720	3.0	0	0.0	59	1.5	218	2.4	277	2.1
TOTAL	36	100.0	5,800	100.0	17,833	100.0	23,669	100.0	106	100.0	3,891	100.0	9,235	100.0	13,232	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.3.9**

**2009 MISSOURI YOUNG DRIVER INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	2,762	7.5
FEBRUARY	2,509	6.8
MARCH	2,860	7.8
APRIL	3,144	8.5
MAY	3,425	9.3
JUNE	3,189	8.6
JULY	3,008	8.2
AUGUST	3,076	8.3
SEPTEMBER	3,044	8.3
OCTOBER	3,642	9.9
NOVEMBER	2,976	8.1
DECEMBER	3,266	8.9
<b>TOTAL</b>	<b>36,901</b>	<b>100.0</b>

**TABLE 3.3.10**

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**2009 MISSOURI YOUNG DRIVER INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	3,819	10.4
MONDAY	5,087	13.8
TUESDAY	5,367	14.6
WEDNESDAY	5,374	14.6
THURSDAY	5,556	15.1
FRIDAY	6,625	18.1
SATURDAY	5,069	13.7
UNKNOWN	4	--
<b>TOTAL</b>	<b>36,901</b>	<b>100.0</b>

**TABLE 3.3.11**

## 2009 MISSOURI YOUNG DRIVER INVOLVED CRASHES

### HOUR OF DAY

HOUR	FREQUENCY	PERCENT
12:01A - 12:59A	734	2.0
01:00A - 01:59A	526	1.4
02:00A - 02:59A	393	1.1
03:00A - 03:59A	265	0.7
04:00A - 04:59A	197	0.5
05:00A - 05:59A	214	0.6
06:00A - 06:59A	499	1.4
07:00A - 07:59A	2,062	5.6
08:00A - 08:59A	1,168	3.2
09:00A - 09:59A	967	2.6
10:00A - 10:59A	1,255	3.4
11:00A - 11:59A	1,607	4.4
NOON - 12:59P	2,024	5.5
01:00P - 01:59P	2,164	5.9
02:00P - 02:59P	2,869	7.8
03:00P - 03:59P	4,095	11.1
04:00P - 04:59P	3,305	9.0
05:00P - 05:59P	3,518	9.6
06:00P - 06:59P	2,269	6.2
07:00P - 07:59P	1,679	4.6
08:00P - 08:59P	1,442	3.9
09:00P - 09:59P	1,428	3.9
10:00P - 10:59P	1,202	3.3
11:00P - MIDNIGHT	924	2.5
UNKNOWN	95	--
<b>TOTAL</b>	36,901	100.0

**TABLE 3.3.12**

## 2009 MISSOURI YOUNG DRIVER CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL YOUNG DRIVER CRASHES = 142				TOTAL YOUNG DRIVER CRASHES = 36,901		
	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.7	1.4	2.1	2.1	0.4	2.5
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.3	0.3	0.6
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	50.7	4.2	53.5	18.4	2.2	20.3
IMPROPER PASSING	2.8	1.4	4.2	0.9	0.4	1.3
VIOLATION OF STOP SIGN	7.0	1.4	8.5	2.9	1.4	4.2
WRONG SIDE NOT PASSING	9.2	6.3	15.5	1.5	0.4	1.8
FOLLOWING TOO CLOSE	2.1	2.1	4.2	14.4	5.2	19.2
IMPROPER SIGNAL	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPER BACKING	0.7	0.7	1.4	1.7	0.6	2.3
IMPROPER TURN	2.1	0.7	2.8	2.6	1.1	3.6
IMPROPER LANE USAGE / CHANGE	19.7	3.5	22.5	6.7	2.3	8.8
WRONG WAY ONE-WAY STREET	1.4	0.0	1.4	0.1	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.1	0.2
FAILED TO YIELD	7.0	4.2	11.3	13.3	6.5	19.5
DRINKING	23.9	6.3	28.9	2.1	0.6	2.7
DRUGS	7.0	0.7	7.7	0.5	0.1	0.6
PHYSICAL IMPAIRMENT	0.7	0.0	0.7	1.0	0.2	1.1
INATTENTION	16.2	7.0	23.2	23.9	7.0	30.1

<sup>1</sup>This table identifies the percentage of young driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the young driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri fatal young driver crashes, it was found that a young driver was speeding in 50.7% of the crashes. In 4.2% of the crashes another driver was speeding. In 53.5% of the crashes either a young driver, another driver, or both drivers were speeding.

**TABLE 3.3.13**

## YOUNG DRIVERS IN 2009 MISSOURI CRASHES

### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	111	75.5	5,462	51.8	15,679	53.0	21,252	52.8
FEMALE	36	24.5	5,091	48.2	13,879	47.0	19,006	47.2
UNKNOWN	0	-	0	-	203	-	203	-
<b>TOTAL</b>	147	100.0	10,553	100.0	29,761	100.0	40,258	100.0

**TABLE 3.3.14**

## YOUNG DRIVERS IN 2009 MISSOURI CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF YOUNG DRIVER<sup>1</sup></b>	18.1	-	18.0	-	18.0	-	18.0	-
14 YEARS AND UNDER	4	2.7	67	0.6	48	0.2	119	0.3
15 YEARS	1	0.7	134	1.3	311	1.0	446	1.1
16 YEARS	22	15.0	1,657	15.7	5,075	17.1	6,754	16.7
17 YEARS	21	14.3	2,084	19.8	6,025	20.2	8,130	20.1
18 YEARS	36	24.5	2,455	23.3	6,626	22.3	9,117	22.5
19 YEARS	26	17.7	2,138	20.3	6,047	20.3	8,211	20.3
20 YEARS	37	25.2	2,018	19.1	5,629	18.9	7,684	19.0
<b>TOTAL</b>	147	100.0	10,553	100.0	29,761	100.0	40,461	100.0

<sup>1</sup> Average age is based on only drivers 20 years of age and under.

**TABLE 3.3.15**

# YOUNG DRIVERS IN 2009 MISSOURI CRASHES

## DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	5	3.4	238	2.3	576	2.0	819	2.1
OPERATOR'S LICENSE	124	84.9	9,143	88.2	25,944	89.9	35,211	89.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMERCIAL DRIVER'S LICENSE	0	0.0	19	0.2	57	0.2	76	0.2
SUBTOTAL	129	88.4	9,400	90.7	26,577	92.0	36,106	91.7
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	7	0.1	21	0.1	28	0.1
OPERATOR'S LICENSE	7	4.8	510	4.9	1,555	5.4	2,072	5.3
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	3	0.0	10	0.0	13	0.0
SUBTOTAL	7	4.8	520	5.0	1,586	5.5	2,113	5.4
UNLICENSED	10	6.9	443	4.3	713	2.5	1,166	3.0
UNKNOWN	1	-	190	-	885	-	1,076	-
<b>TOTAL</b>	147	100.0	10,553	100.0	29,761	100.0	40,461	100.0

**TABLE 3.3.16**

**YOUNG DRIVERS IN 2009 MISSOURI CRASHES**

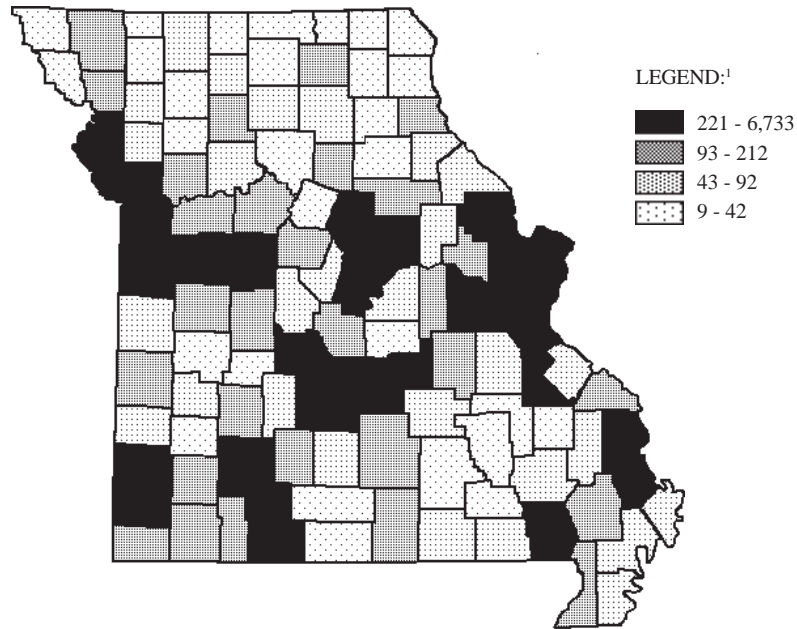
**TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	86	58.5	7,135	67.7	20,824	70.0	28,045	69.4
SPORT UTILITY VEHICLE	16	10.9	1,366	13.0	3,888	13.1	5,270	13.0
LIMOUSINE	0	0.0	3	0.0	1	0.0	4	0.0
VAN	4	2.7	263	2.5	757	2.6	1,024	2.5
BUS	1	0.7	3	0.0	9	0.0	13	0.0
SCHOOL BUS	0	0.0	1	0.0	8	0.0	9	0.0
MOTORCYCLE	6	4.1	173	1.6	34	0.1	213	0.5
ALL TERRAIN VEHICLE	5	3.4	79	0.8	17	0.1	101	0.3
MOPED	0	0.0	16	0.2	6	0.0	22	0.1
MOTOR HOME / CAMPER	0	0.0	0	0.0	3	0.0	3	0.0
FARM EQUIPMENT	0	0.0	5	0.1	7	0.0	12	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	13	0.1	4	0.0	17	0.0
PICKUP TRUCK	29	19.7	1,469	13.9	4,122	13.9	5,620	13.9
OTHER TRUCKS	0	0.0	21	0.2	53	0.2	74	0.2
UNKNOWN	0	-	6	-	27	-	33	-
<b>TOTAL</b>	147	100.0	10,553	100.0	29,761	100.0	40,461	100.0

**TABLE 3.3.17**

## 2009 YOUNG DRIVER INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	6,733	18.2	23.0	PULASKI	314	0.9
2.0	JACKSON	4,177	11.3	24.0	CALLAWAY	288	0.8
3.0	ST. CHARLES	2,382	6.5	25.0	NEWTON	279	0.8
4.0	GREENE	2,314	6.3	26.0	LACLEDE	277	0.8
5.0	ST. LOUIS CITY	2,188	5.9	27.0	CAMDEN	246	0.7
6.0	JEFFERSON	1,374	3.7	28.0	LINCOLN	238	0.6
7.0	CLAY	1,169	3.2	29.0	SCOTT	221	0.6
8.0	BOONE	1,111	3.0				First Quartile
9.0	JASPER	843	2.3				
10.0	FRANKLIN	773	2.1				Second Quartile
11.0	CAPE GIRARDEAU	734	2.0	30.0	LAFAYETTE	212	0.6
12.0	BUCHANAN	699	1.9	31.0	HOWELL	202	0.5
13.0	COLE	515	1.4	32.0	MARION	197	0.5
14.0	PLATTE	513	1.4	33.0	LAWRENCE	185	0.5
15.0	CASS	497	1.3	34.0	DUNKLIN	180	0.5
16.0	PHELPS	423	1.1	35.0	BARRY	173	0.5
17.0	PETTIS	386	1.0	36.0	WARREN	167	0.5
18.0	JOHNSON	371	1.0	37.0	RANDOLPH	157	0.4
19.0	CHRISTIAN	356	1.0	38.0	WEBSTER	153	0.4
20.5	BUTLER	341	0.9	39.0	MILLER	142	0.4
20.5	ST. FRANCOIS	341	0.9	40.0	STODDARD	141	0.4
22.0	TANEY	334	0.9	41.0	NODAWAY	138	0.4

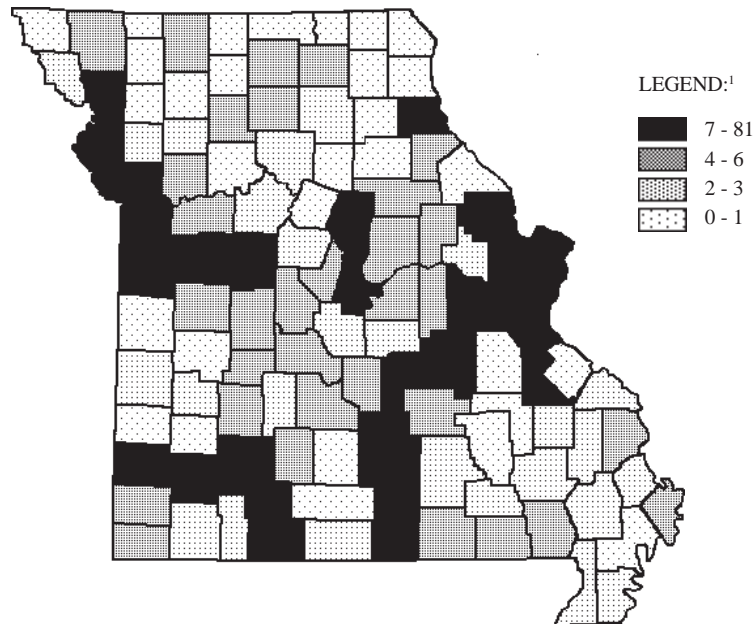


RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
42.0	POLK	137	0.4	79.0	CEDAR	51	0.1
43.0	CRAWFORD	131	0.4	80.0	WRIGHT	50	0.1
44.0	AUDRAIN	130	0.4	81.5	BARTON	49	0.1
45.0	HENRY	129	0.3	81.5	GRUNDY	49	0.1
46.0	ADAIR	122	0.3	83.0	DE KALB	45	0.1
47.0	COOPER	111	0.3	84.5	HARRISON	44	0.1
48.5	LIVINGSTON	109	0.3	84.5	OREGON	44	0.1
48.5	STONE	109	0.3	86.0	CARROLL	43	0.1
50.0	TEXAS	108	0.3	Third Quartile			
51.0	SALINE	107	0.3	Fourth Quartile			
52.0	PERRY	106	0.3	87.5	DOUGLAS	42	0.1
53.0	VERNON	104	0.3	87.5	MADISON	42	0.1
54.0	RAY	100	0.3	89.0	CALDWELL	39	0.1
55.0	GASCONADE	99	0.3	91.0	IRON	34	0.1
56.0	MCDONALD	95	0.3	91.0	MONROE	34	0.1
57.5	ANDREW	93	0.3	91.0	SHANNON	34	0.1
57.5	BENTON	93	0.3	93.5	LEWIS	33	0.1
Second Quartile				93.5	ST. CLAIR	33	0.1
Third Quartile				95.0	HOWARD	30	0.1
59.0	PEMISCOT	92	0.2	96.5	DADE	29	0.1
60.0	MORGAN	90	0.2	96.5	HICKORY	29	0.1
61.5	CLINTON	86	0.2	99.5	CARTER	27	0.1
61.5	WASHINGTON	86	0.2	99.5	CHARITON	27	0.1
63.0	OSAGE	82	0.2	99.5	HOLT	27	0.1
64.0	MACON	81	0.2	99.5	SULLIVAN	27	0.1
65.5	NEW MADRID	80	0.2	102.0	MARIES	26	0.1
65.5	RIPLEY	80	0.2	103.0	REYNOLDS	22	0.1
67.0	STE. GENEVIEVE	77	0.2	104.5	ATCHISON	21	0.1
68.0	MONITEAU	75	0.2	104.5	DAVIESS	21	0.1
69.0	DALLAS	68	0.2	106.0	OZARK	19	0.1
70.0	MONTGOMERY	67	0.2	108.0	CLARK	18	0.0
71.0	DENT	66	0.2	108.0	PUTNAM	18	0.0
72.0	PIKE	65	0.2	108.0	SCOTLAND	18	0.0
73.5	LINN	60	0.2	110.0	GENTRY	17	0.0
73.5	MISSISSIPPI	60	0.2	111.0	WORTH	14	0.0
75.0	WAYNE	57	0.2	112.0	SCHUYLER	12	0.0
76.5	BOLLINGER	56	0.2	113.0	KNOX	11	0.0
76.5	RALLS	56	0.2	114.0	SHELBY	10	0.0
78.0	BATES	52	0.1	115.0	MERCER	9	0.0

TABLE 3.3.18

## 2009 YOUNG DRINKING DRIVER INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	81	10.4	25.5	HOWELL	7	0.9
2.0	ST. LOUIS	70	9.0	25.5	LINCOLN	7	0.9
3.0	ST. CHARLES	51	6.6	25.5	PHELPS	7	0.9
4.0	GREENE	43	5.5	25.5	ST. LOUIS CITY	7	0.9
5.5	BOONE	35	4.5	First Quartile			
5.5	JEFFERSON	35	4.5	Second Quartile			
7.0	FRANKLIN	24	3.1	31.0	BUTLER	6	0.8
8.0	CLAY	21	2.7	31.0	CALLAWAY	6	0.8
9.0	JOHNSON	19	2.4	31.0	LIVINGSTON	6	0.8
10.0	COLE	17	2.2	31.0	MCDONALD	6	0.8
11.0	JASPER	16	2.1	31.0	NEWTON	6	0.8
12.0	BUCHANAN	11	1.4	31.0	RIPLEY	6	0.8
14.0	CASS	10	1.3	31.0	WEBSTER	6	0.8
14.0	CRAWFORD	10	1.3	39.5	BENTON	5	0.6
14.0	TANEY	10	1.3	39.5	CAMDEN	5	0.6
16.5	MARION	9	1.2	39.5	CAPE GIRARDEAU	5	0.6
16.5	PLATTE	9	1.2	39.5	LAFAYETTE	5	0.6
20.5	ANDREW	8	1.0	39.5	LINN	5	0.6
20.5	CHRISTIAN	8	1.0	39.5	MISSISSIPPI	5	0.6
20.5	LAWRENCE	8	1.0	39.5	MONTGOMERY	5	0.6
20.5	PETTIS	8	1.0	39.5	NODAWAY	5	0.6
20.5	ST. FRANCOIS	8	1.0	39.5	RALLS	5	0.6
20.5	TEXAS	8	1.0				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.5	SULLIVAN	5	0.6	79.0	MARIES	2	0.3
52.0	ADAIR	4	0.5	79.0	OZARK	2	0.3
52.0	AUDRAIN	4	0.5	79.0	PEMISCOT	2	0.3
52.0	DENT	4	0.5	79.0	SCOTT	2	0.3
52.0	GASCONADE	4	0.5	79.0	STONE	2	0.3
52.0	HARRISON	4	0.5	79.0	WAYNE	2	0.3
52.0	HENRY	4	0.5	Third Quartile			
52.0	HICKORY	4	0.5	Fourth Quartile			
52.0	LACLEDE	4	0.5	92.5	CARROLL	1	0.1
52.0	MONITEAU	4	0.5	92.5	DADE	1	0.1
52.0	MORGAN	4	0.5	92.5	DE KALB	1	0.1
52.0	OREGON	4	0.5	92.5	GENTRY	1	0.1
52.0	OSAGE	4	0.5	92.5	GRUNDY	1	0.1
52.0	POLK	4	0.5	92.5	HOWARD	1	0.1
52.0	PULASKI	4	0.5	92.5	IRON	1	0.1
52.0	RAY	4	0.5	92.5	KNOX	1	0.1
Second Quartile				92.5	NEW MADRID	1	0.1
Third Quartile				92.5	PIKE	1	0.1
66.0	COOPER	3	0.4	92.5	RANDOLPH	1	0.1
66.0	DALLAS	3	0.4	92.5	ST. CLAIR	1	0.1
66.0	DUNKLIN	3	0.4	92.5	STE. GENEVIEVE	1	0.1
66.0	HOLT	3	0.4	92.5	WORTH	1	0.1
66.0	MACON	3	0.4	107.5	ATCHISON	0	0.0
66.0	MADISON	3	0.4	107.5	BARTON	0	0.0
66.0	MILLER	3	0.4	107.5	BATES	0	0.0
66.0	PERRY	3	0.4	107.5	CLARK	0	0.0
66.0	SALINE	3	0.4	107.5	DAVIESS	0	0.0
66.0	SHANNON	3	0.4	107.5	DOUGLAS	0	0.0
66.0	STODDARD	3	0.4	107.5	LEWIS	0	0.0
66.0	VERNON	3	0.4	107.5	MERCER	0	0.0
66.0	WARREN	3	0.4	107.5	MONROE	0	0.0
79.0	BARRY	2	0.3	107.5	PUTNAM	0	0.0
79.0	BOLLINGER	2	0.3	107.5	REYNOLDS	0	0.0
79.0	CALDWELL	2	0.3	107.5	SCHUYLER	0	0.0
79.0	CARTER	2	0.3	107.5	SCOTLAND	0	0.0
79.0	CEDAR	2	0.3	107.5	SHELBY	0	0.0
79.0	CHARITON	2	0.3	107.5	WASHINGTON	0	0.0
79.0	CLINTON	2	0.3	107.5	WRIGHT	0	0.0

**TABLE 3.3.19**

## 2009 YOUNG DRIVER INVOLVED CRASHES

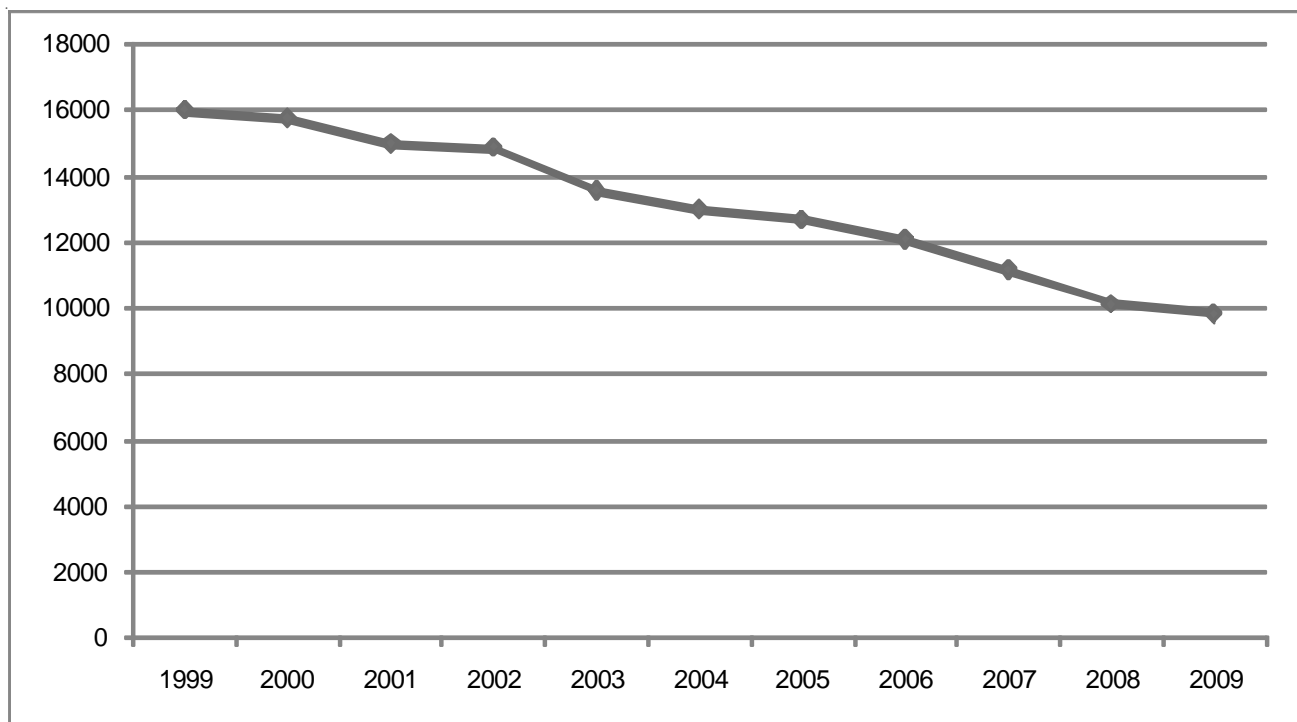
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	2,603	9.7
2.0	ST. LOUIS	2,191	8.2
3.0	SPRINGFIELD	1,931	7.2
4.0	COLUMBIA	925	3.5
5.0	INDEPENDENCE	760	2.8
6.0	LEE'S SUMMIT	658	2.5
7.0	ST. JOSEPH	640	2.4
8.0	JOPLIN	561	2.1
9.0	CAPE GIRARDEAU	506	1.9
10.0	ST. PETERS	502	1.9
11.0	O'FALLON	501	1.9
12.0	ST. CHARLES	473	1.8
13.0	FLORISSANT	442	1.7
14.0	JEFFERSON CITY	430	1.6
15.0	BLUE SPRINGS	414	1.5
16.0	CHESTERFIELD	379	1.4
17.0	SEDALIA	273	1.0
18.0	ROLLA	256	1.0
19.0	KIRKWOOD	245	0.9
20.0	POPLAR BLUFF	243	0.9
21.0	LIBERTY	242	0.9
22.0	CREVE COEUR	241	0.9
23.0	WARRENSBURG	219	0.8
24.0	ARNOLD	212	0.8
25.0	TOWN AND COUNTRY	208	0.8
26.0	HAZELWOOD	206	0.8
27.0	MARYLAND HEIGHTS	202	0.8
28.0	WILDWOOD	195	0.7
29.0	SUNSET HILLS	190	0.7
30.0	BELTON	173	0.6
31.0	RAYTOWN	167	0.6
32.0	LEBANON	166	0.6
33.0	HANNIBAL	156	0.6
34.0	WASHINGTON	147	0.5
35.0	BRIDGETON	145	0.5
36.0	UNION	143	0.5
37.0	FARMINGTON	142	0.5
38.0	BRANSON	139	0.5
39.0	FENTON	137	0.5
40.5	UNIVERSITY CITY	134	0.5
40.5	WENTZVILLE	134	0.5
42.5	BALLWIN	130	0.5
42.5	GLADSTONE	130	0.5
44.0	FESTUS	128	0.5
45.0	ST. ROBERT	127	0.5
46.5	OZARK	125	0.5
46.5	SIKESTON	125	0.5
48.0	BERKELEY	121	0.5

<sup>1</sup>Percentage is based on young driver involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.3.20**

**MISSOURI FATAL AND PERSONAL INJURY YOUNG DRIVER INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.3.1**

### 3.4 OLDER DRIVER INVOLVEMENT

***This section presents a series of data displays which describe older driver involvement in Missouri's traffic crash experience. Older driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years or older. Data displays also are provided which identify characteristics of these older drivers.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 31.2% involved an older driver. Of all fatal traffic crashes, 33.4% involved an older driver. A total of 292 persons were killed and 15,712 were injured in traffic crashes involving older drivers.
- There was an increase of 1.9% in the rate of change when comparing 2009 older driver traffic crashes with those in 2008. There was an increase of 1.2% when comparing 2009 fatal older driver traffic crashes with 2008.
- In 2009, one person was killed or injured in older driver related traffic crashes every 49.0 minutes in the State of Missouri.
- Of all older driver related traffic crashes, the first harmful event in 82.2% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In older driver fatal traffic crashes, 59.7% involved one motor vehicle in transport striking another motor vehicle in transport and 24.0% of the cases involved a motor vehicle striking a fixed object.
- Of all 2009 older driver crashes, 67.1% occurred in an urban area and 32.9% occurred in a rural area of the State. However, 73.6% of the fatal older driver crashes occurred in a rural area.
- Of all older driver traffic crashes, 86.2% occurred from 7:00 A.M. through 6:59 P.M.
- Of all older drivers involved in traffic crashes, 57.1% were male and 42.9% were female. The average age of older drivers (55 years and older) was 65.6 years.
- Of the older drivers, 89.1% had a Missouri driver's license, 10.3% had an out-of-state driver's license, and 0.6% were unlicensed at the time of the crash.
- Of the older drivers, 53.4% were driving an automobile and 16.8% were driving a pickup truck at the time of the crash.

## 2009 MISSOURI TRAFFIC CRASHES

### OLDER DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED INJURED	OLDER DRIVERS <sup>2</sup> KILLED INJURED		
OLDER DRIVER INVOLVED	258	33.4	10,458	29.5	31,744	31.7	42,460	31.2	292	15,712	162	6,616
NO OLDER DRIVER INVOLVED	514	66.6	24,988	70.5	68,295	68.3	93,797	68.8	572	36,125	-	-
UNKNOWN <sup>3</sup>	14	-	1,553	-	14,942	-	16,509	-	14	1,992	-	-
TOTAL	786	100.0	36,999	100.0	114,981	100.0	155,859	100.0	878	53,829	162	6,616

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more older drivers were involved.

<sup>2</sup>This statistic indicates the number of older drivers killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 55 years of age and older and the ages of one or more drivers involved in the crash was not known.

**TABLE 3.4.1**

### 2008 and 2009 OLDER DRIVER INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	255	258	+ 1.2
PERSONAL INJURY	10,562	10,458	- 1.0
PROPERTY DAMAGE	30,837	31,744	+ 2.9
TOTAL	41,654	42,460	+ 1.9

**TABLE 3.4.2**

### 2009 OLDER DRIVER INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	2	0.8	76	0.7	805	2.5	883	2.1
BICYCLIST	1	0.4	121	1.2	25	0.1	147	0.4
FIXED OBJECT	62	24.0	1,257	12.0	2,550	8.0	3,869	9.1
OTHER OBJECT	2	0.8	23	0.2	219	0.7	244	0.6
PEDESTRIAN	12	4.7	210	2.0	31	0.1	253	0.6
TRAIN	2	0.8	4	0.0	10	0.0	16	0.0
VEHICLE IN TRANSPORT	154	59.7	8,317	79.5	26,410	83.2	34,881	82.2
VEHICLE ON OTHER ROADWAY	1	0.4	16	0.2	47	0.2	64	0.2
PARKED VEHICLE	1	0.4	102	1.0	1,324	4.2	1,427	3.4
NONCOLLISION OVERTURN	19	7.4	279	2.7	142	0.5	440	1.0
NONCOLLISION OTHER	2	0.8	53	0.5	181	0.6	236	0.6
<b>TOTAL</b>	258	100.0	10,458	100.0	31,744	100.0	42,460	100.0

**TABLE 3.4.3**



## 2009 OLDER DRIVER INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	68	26.4	6,889	65.9	21,517	67.8	28,474	67.1
RURAL	190	73.6	3,569	34.1	10,227	32.2	13,986	32.9
<b>TOTAL</b>	<b>258</b>	<b>100.0</b>	<b>10,458</b>	<b>100.0</b>	<b>31,744</b>	<b>100.0</b>	<b>42,460</b>	<b>100.0</b>

**TABLE 3.4.4**

## 2009 OLDER DRIVER INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	176	68.5	8,985	86.5	27,223	88.0	36,384	87.5
CURVE	81	31.5	1,400	13.5	3,713	12.0	5,194	12.5
UNKNOWN	1	-	73	-	808	-	882	-
<b>TOTAL</b>	<b>258</b>	<b>100.0</b>	<b>10,458</b>	<b>100.0</b>	<b>31,744</b>	<b>100.0</b>	<b>42,460</b>	<b>100.0</b>

**TABLE 3.4.5**

## 2009 OLDER DRIVER INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	116	45.1	7,186	69.8	22,401	73.2	29,703	72.2
HILL	135	52.5	2,907	28.2	7,558	24.7	10,600	25.8
CREST	6	2.3	208	2.0	640	2.1	854	2.1
UNKNOWN	1	-	157	-	1,145	-	1,303	-
<b>TOTAL</b>	<b>258</b>	<b>100.0</b>	<b>10,458</b>	<b>100.0</b>	<b>31,744</b>	<b>100.0</b>	<b>42,460</b>	<b>100.0</b>

**TABLE 3.4.6**

## 2009 OLDER DRIVER INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	219	85.2	8,310	80.0	24,856	79.0	33,385	79.3
WET	30	11.7	1,785	17.2	5,507	17.5	7,322	17.4
SNOW	5	2.0	181	1.7	733	2.3	919	2.2
ICE	3	1.2	81	0.8	266	0.9	350	0.8
SLUSH	0	0.0	20	0.2	69	0.2	89	0.2
MUD	0	0.0	2	0.0	8	0.0	10	0.0
STANDING WATER	0	0.0	4	0.0	7	0.0	11	0.0
MOVING WATER	0	0.0	2	0.0	7	0.0	9	0.0
UNKNOWN	1	-	73	-	291	-	365	-
<b>TOTAL</b>	258	100.0	10,458	100.0	31,744	100.0	42,460	100.0

**TABLE 3.4.7**

## 2009 OLDER DRIVER INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	28	10.9	1036	9.9	3,516	11.1	4,580	10.8
U.S. HIGHWAY	62	24.0	1,348	12.9	3,454	10.9	4,864	11.5
STATE NUMBERED	79	30.6	1,975	18.9	5,013	15.8	7,067	16.6
SINGLE STATE LETTERED	25	9.7	540	5.2	1,291	4.1	1,856	4.4
DOUBLE STATE LETTERED	12	4.7	261	2.5	629	2.0	902	2.1
OUTER ROAD	2	0.8	87	0.8	286	0.9	375	0.9
COUNTY ROAD	15	5.8	545	5.2	1,857	5.9	2,417	5.7
CITY STREET	31	12.0	4,381	41.9	14,619	46.1	19,031	44.8
INTERSTATE LOOP	1	0.4	36	0.3	106	0.3	143	0.3
OTHER <sup>1</sup>	3	1.2	249	2.4	973	3.1	1,225	2.9
<b>TOTAL</b>	258	100.0	10,458	100.0	31,744	100.0	42,460	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.4.8**

**2009 OLDER DRIVER INVOLVED CRASHES**

**HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY**

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	12	17.7	659	9.6	2,053	9.5	2,724	9.6	16	8.4	377	10.6	1,463	14.3	1,856	13.3
U.S. HIGHWAY	14	20.6	660	9.6	1,849	8.6	2,523	8.9	48	25.3	688	19.3	1,605	15.7	2,341	16.7
STATE NUMBERED	8	11.8	934	13.6	2,661	12.4	3,603	12.7	71	37.4	1,041	29.2	2,352	23.0	3,464	24.8
SINGLE STATE LETTERED	1	1.5	126	1.8	434	2.0	561	2.0	24	12.6	414	11.6	857	8.4	1,295	9.3
DOUBLE S TATE LETTERED	1	1.5	103	1.5	316	1.5	420	1.5	11	5.8	158	4.4	313	3.1	482	3.5
OUTER ROAD	1	1.5	56	0.8	180	0.8	237	0.8	1	0.5	31	0.9	106	1.0	138	1.0
COUNTY ROAD	1	1.5	57	0.8	244	1.1	302	1.1	14	7.4	488	13.7	1,613	15.8	2,115	15.1
CITY STREET	28	41.2	4,082	59.3	13,031	60.6	17,141	60.2	3	1.6	299	8.4	1,588	15.5	1,890	13.5
INTERSTATE LOOP	0	0.0	20	0.3	68	0.3	88	0.3	1	0.5	16	0.5	38	0.4	55	0.4
OTHER <sup>1</sup>	2	2.9	192	2.8	681	3.2	875	3.1	1	0.5	57	1.6	292	2.9	350	2.5
TOTAL	68	100.0	6,889	100.0	21,517	100.0	28,474	100.0	190	100.0	3,569	100.0	10,227	100.0	13,986	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.4.9**

**2009 MISSOURI OLDER DRIVER INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	3,159	7.4
FEBRUARY	2,974	7.0
MARCH	3,245	7.6
APRIL	3,415	8.0
MAY	3,654	8.6
JUNE	3,522	8.3
JULY	3,489	8.2
AUGUST	3,530	8.3
SEPTEMBER	3,724	8.8
OCTOBER	4,071	9.6
NOVEMBER	3,698	8.7
DECEMBER	3,979	9.4
<b>TOTAL</b>	<b>42,460</b>	<b>100.0</b>

**TABLE 3.4.10**

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**2009 MISSOURI OLDER DRIVER INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	3,402	8.0
MONDAY	6,331	14.9
TUESDAY	6,543	15.4
WEDNESDAY	6,700	15.8
THURSDAY	6,770	16.0
FRIDAY	7,662	18.1
SATURDAY	5,049	11.9
UNKNOWN	3	--
<b>TOTAL</b>	<b>42,460</b>	<b>100.0</b>

**TABLE 3.4.11**

## 2009 MISSOURI OLDER DRIVER INVOLVED CRASHES

### HOUR OF DAY

HOUR	FREQUENCY	PERCENT
12:01A - 12:59A	219	0.5
01:00A - 01:59A	169	0.4
02:00A - 02:59A	134	0.3
03:00A - 03:59A	110	0.3
04:00A - 04:59A	121	0.3
05:00A - 05:59A	307	0.7
06:00A - 06:59A	822	1.9
07:00A - 07:59A	1,830	4.3
08:00A - 08:59A	1,975	4.7
09:00A - 09:59A	2,125	5.0
10:00A - 10:59A	2,698	6.4
11:00A - 11:59A	3,244	7.7
NOON - 12:59P	3,652	8.6
01:00P - 01:59P	3,389	8.0
02:00P - 02:59P	3,657	8.6
03:00P - 03:59P	4,282	10.1
04:00P - 04:59P	3,845	9.1
05:00P - 05:59P	3,606	8.5
06:00P - 06:59P	2,212	5.2
07:00P - 07:59P	1,320	3.1
08:00P - 08:59P	979	2.3
09:00P - 09:59P	759	1.8
10:00P - 10:59P	550	1.3
11:00P - MIDNIGHT	354	0.8
UNKNOWN	101	--
<b>TOTAL</b>	42,460	100.0

**TABLE 3.4.12**

## 2009 MISSOURI OLDER DRIVER CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL OLDER DRIVER CRASHES = 258				TOTAL OLDER DRIVER CRASHES = 42,460		
	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.4	0.8	1.2	1.3	1.0	2.2
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.4	0.8	1.2	0.3	0.3	0.6
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	13.2	10.9	24.0	5.7	5.1	10.5
IMPROPER PASSING	0.4	1.9	2.3	0.8	0.8	1.6
VIOLATION OF STOP SIGN	3.9	3.5	7.4	2.9	2.6	5.3
WRONG SIDE NOT PASSING	7.8	9.3	17.1	0.8	0.7	1.4
FOLLOWING TOO CLOSE	1.6	1.6	3.1	7.3	10.5	17.5
IMPROPER SIGNAL	0.4	0.0	0.4	0.2	0.1	0.2
IMPROPER BACKING	0.0	0.0	0.0	2.5	1.0	3.4
IMPROPER TURN	2.3	0.4	2.7	2.8	1.6	4.4
IMPROPER LANE USAGE / CHANGE	12.8	6.2	19.0	6.2	3.8	9.7
WRONG WAY ONE-WAY STREET	0.4	0.4	0.8	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.2	0.3
FAILED TO YIELD	16.7	6.2	22.9	13.3	8.6	21.6
DRINKING	5.0	6.2	11.2	1.2	0.7	1.8
DRUGS	0.0	1.9	1.9	0.2	0.2	0.4
PHYSICAL IMPAIRMENT	7.0	1.2	8.1	2.0	0.3	2.3
INATTENTION	12.4	9.3	21.7	16.4	13.8	29.2

<sup>1</sup>This table identifies the percentage of older driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the older driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri fatal older driver crashes, it was found that an older driver was speeding in 13.2% of the crashes. In 10.9% of the crashes another driver was speeding. In 24.0% of the crashes either an older driver, another driver, or both drivers were speeding.

**TABLE 3.4.13**

## OLDER DRIVERS IN 2009 MISSOURI CRASHES

### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	205	70.0	6,653	56.3	19,987	57.2	26,845	57.1
FEMALE	88	30.0	5,165	43.7	14,934	42.8	20,187	42.9
UNKNOWN	0	-	0	-	314	-	314	-
<b>TOTAL</b>	293	100.0	11,818	100.0	35,235	100.0	47,346	100.0

**TABLE 3.4.14**

## OLDER DRIVERS IN 2009 MISSOURI CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF OLDER DRIVER<sup>1</sup></b>	66.9	-	65.6	-	65.6	-	65.6	-
55 - 59 YEARS	83	28.3	3,656	30.9	10,945	31.1	14,684	31.0
60 - 64 YEARS	59	20.1	2,818	23.8	8,480	24.1	11,357	24.0
65 - 69 YEARS	52	17.8	1,905	16.1	5,717	16.2	7,674	16.2
70 - 74 YEARS	27	9.2	1,308	11.1	3,853	10.9	5,188	11.0
75 YEARS AND OVER	72	24.6	2,131	18.0	6,240	17.7	8,443	17.8
<b>TOTAL</b>	293	100.0	11,818	100.0	35,235	100.0	47,346	100.0

<sup>1</sup> Average age is based on only drivers 55 years of age and over.

**TABLE 3.4.15**

# **OLDER DRIVERS IN 2009 MISSOURI CRASHES**

## **DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MISSOURI</b>								
LEARNER'S PERMIT	1	0.4	7	0.1	8	0.0	16	0.0
OPERATOR'S LICENSE	209	72.3	9,603	82.4	27,961	81.6	37,773	81.8
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMERCIAL DRIVER'S LICENSE	37	12.8	814	7.0	2,498	7.3	3,349	7.3
SUBTOTAL	247	85.5	10,425	89.5	30,467	88.9	41,139	89.1
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	1	0.0	0	0.0	1	0.0
OPERATOR'S LICENSE	24	8.3	948	8.1	2,830	8.3	3,802	8.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	10	3.5	184	1.6	795	2.3	989	2.1
SUBTOTAL	34	11.8	1,133	9.7	3,625	10.6	4,792	10.3
UNLICENSED	8	2.8	98	0.8	156	0.5	262	0.6
UNKNOWN	4	-	162	-	987	-	1,153	-
<b>TOTAL</b>	<b>293</b>	<b>100.0</b>	<b>11,818</b>	<b>100.0</b>	<b>35,235</b>	<b>100.0</b>	<b>47,346</b>	<b>100.0</b>

**TABLE 3.4.16**



**OLDER DRIVERS IN 2009 MISSOURI CRASHES**

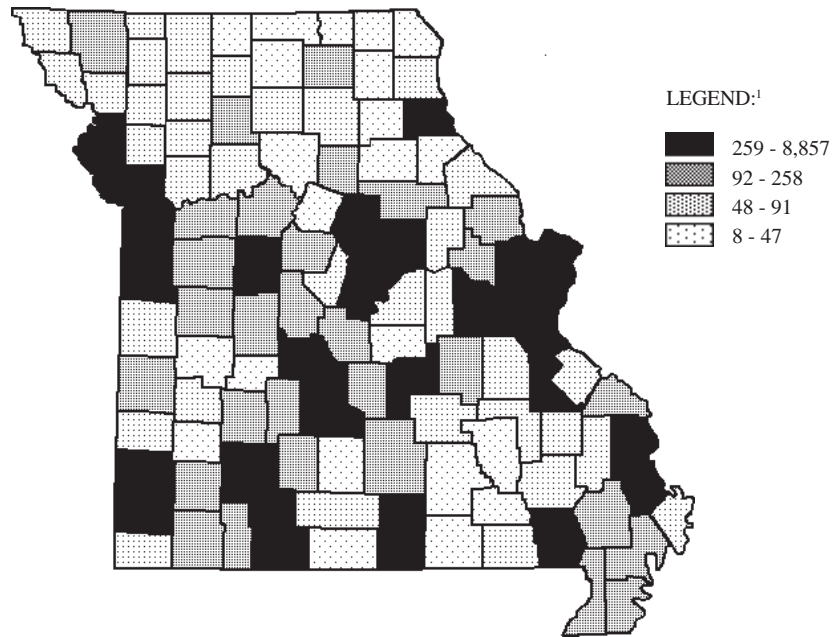
**TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	127	43.5	6,254	53.0	18,891	53.7	25,272	53.4
SPORT UTILITY VEHICLE	35	12.0	1,718	14.6	5,135	14.6	6,888	14.6
LIMOUSINE	0	0.0	1	0.0	10	0.0	11	0.0
VAN	20	6.9	1,073	9.1	2,878	8.2	3,971	8.4
BUS	0	0.0	68	0.6	305	0.9	373	0.8
SCHOOL BUS	1	0.3	44	0.4	213	0.6	258	0.6
MOTORCYCLE	19	6.5	313	2.7	88	0.3	420	0.9
ALL TERRAIN VEHICLE	3	1.0	15	0.1	2	0.0	20	0.0
MOPED	1	0.3	12	0.1	3	0.0	16	0.0
MOTOR HOME / CAMPER	1	0.3	13	0.1	56	0.2	70	0.2
FARM EQUIPMENT	1	0.3	13	0.1	36	0.1	50	0.1
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	23	0.1	24	0.1
OTHER TRANSPORT DEVICE	3	1.0	11	0.1	49	0.1	63	0.1
PICKUP TRUCK	56	19.2	1,914	16.2	5,994	17.0	7,964	16.8
OTHER TRUCKS	25	8.6	361	3.1	1,521	4.3	1,907	4.0
UNKNOWN	1	-	7	-	31	-	39	-
<b>TOTAL</b>	<b>293</b>	<b>100.0</b>	<b>11,818</b>	<b>100.0</b>	<b>35,235</b>	<b>100.0</b>	<b>47,346</b>	<b>100.0</b>

**TABLE 3.4.17**

## 2009 OLDER DRIVER INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	8,857	20.9	23.0	LACLEDE	305	0.7
2.0	JACKSON	5,581	13.1	24.0	NEWTON	291	0.7
3.0	ST. LOUIS CITY	3,224	7.6	25.0	MARION	284	0.7
4.0	GREENE	2,672	6.3	26.0	HOWELL	272	0.6
5.0	ST. CHARLES	2,058	4.8	27.0	CALLAWAY	260	0.6
6.0	CLAY	1,386	3.3	28.0	SCOTT	259	0.6
7.0	JEFFERSON	1,114	2.6	First Quartile			
8.0	JASPER	916	2.2	Second Quartile			
9.0	BOONE	843	2.0	29.0	PULASKI	253	0.6
10.0	CAPE GIRARDEAU	776	1.8	30.0	JOHNSON	228	0.5
11.0	BUCHANAN	774	1.8	31.0	LAFAYETTE	216	0.5
12.0	FRANKLIN	720	1.7	32.0	DUNKLIN	208	0.5
13.0	PLATTE	586	1.4	33.0	STONE	195	0.5
14.0	TANEY	565	1.3	34.0	LINCOLN	192	0.5
15.0	COLE	500	1.2	35.0	RANDOLPH	190	0.4
16.0	CASS	486	1.1	36.0	WEBSTER	189	0.4
17.0	PHELPS	445	1.0	37.0	BARRY	187	0.4
18.0	BUTLER	418	1.0	38.0	WARREN	180	0.4
19.0	PETTIS	395	0.9	39.0	STODDARD	174	0.4
20.0	CAMDEN	389	0.9	40.0	LAWRENCE	163	0.4
21.0	ST. FRANCOIS	364	0.9	41.0	HENRY	152	0.4
22.0	CHRISTIAN	311	0.7				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
42.0	MILLER	151	0.4	79.5	CEDAR	54	0.1
43.0	AUDRAIN	147	0.3	79.5	IRON	54	0.1
44.0	SALINE	146	0.3	82.0	BARTON	53	0.1
45.0	NEW MADRID	144	0.3	82.0	HARRISON	53	0.1
46.0	COOPER	143	0.3	82.0	LEWIS	53	0.1
47.0	CRAWFORD	141	0.3	84.0	DE KALB	50	0.1
48.0	PERRY	136	0.3	85.0	DOUGLAS	49	0.1
49.5	BENTON	133	0.3	86.5	BOLLINGER	48	0.1
49.5	POLK	133	0.3	86.5	CARROLL	48	0.1
51.5	PEMISCOT	128	0.3	Third Quartile			
51.5	VERNON	128	0.3				
53.0	MORGAN	118	0.3	Fourth Quartile			
54.0	LIVINGSTON	115	0.3	88.0	WRIGHT	47	0.1
55.5	ADAIR	113	0.3	89.0	OREGON	44	0.1
55.5	TEXAS	113	0.3	90.0	OZARK	42	0.1
57.0	NODAWAY	107	0.3	91.5	RALLS	40	0.1
58.0	DALLAS	92	0.2	91.5	ST. CLAIR	40	0.1
Second Quartile				93.0	MONROE	39	0.1
				94.0	HOLT	36	0.1
				96.0	CARTER	31	0.1
Third Quartile				96.0	CLARK	31	0.1
59.0	MCDONALD	87	0.2	96.0	DAVIESS	31	0.1
60.5	MACON	85	0.2	98.0	MARIES	30	0.1
60.5	RAY	85	0.2	99.0	HICKORY	30	0.1
62.5	MONTGOMERY	84	0.2	100.5	CALDWELL	28	0.1
62.5	WASHINGTON	84	0.2	100.5	REYNOLDS	28	0.1
64.0	STE. GENEVIEVE	83	0.2	102.0	HOWARD	26	0.1
65.0	DENT	78	0.2	103.5	CHARITON	24	0.1
67.0	ANDREW	76	0.2	103.5	SHANNON	24	0.1
67.0	BATES	76	0.2	105.5	ATCHISON	23	0.1
67.0	PIKE	76	0.2	105.5	SCOTLAND	24	0.1
69.0	MADISON	74	0.2	108.0	PUTNAM	19	0.0
70.0	GASCONADE	72	0.2	108.0	SHELBY	19	0.0
71.0	LINN	71	0.2	108.0	SULLIVAN	19	0.0
72.5	RIPLEY	67	0.2	110.5	DADE	18	0.0
72.5	WAYNE	67	0.2	110.5	GENTRY	18	0.0
74.0	MONITEAU	66	0.2	112.0	MERCER	17	0.0
75.0	GRUNDY	65	0.2	113.0	KNOX	14	0.0
76.0	MISSISSIPPI	61	0.1	114.0	SCHUYLER	9	0.0
77.5	CLINTON	59	0.1	115.0	WORTH	8	0.0
77.5	OSAGE	59	0.1				

## 2009 OLDER DRIVER INVOLVED CRASHES

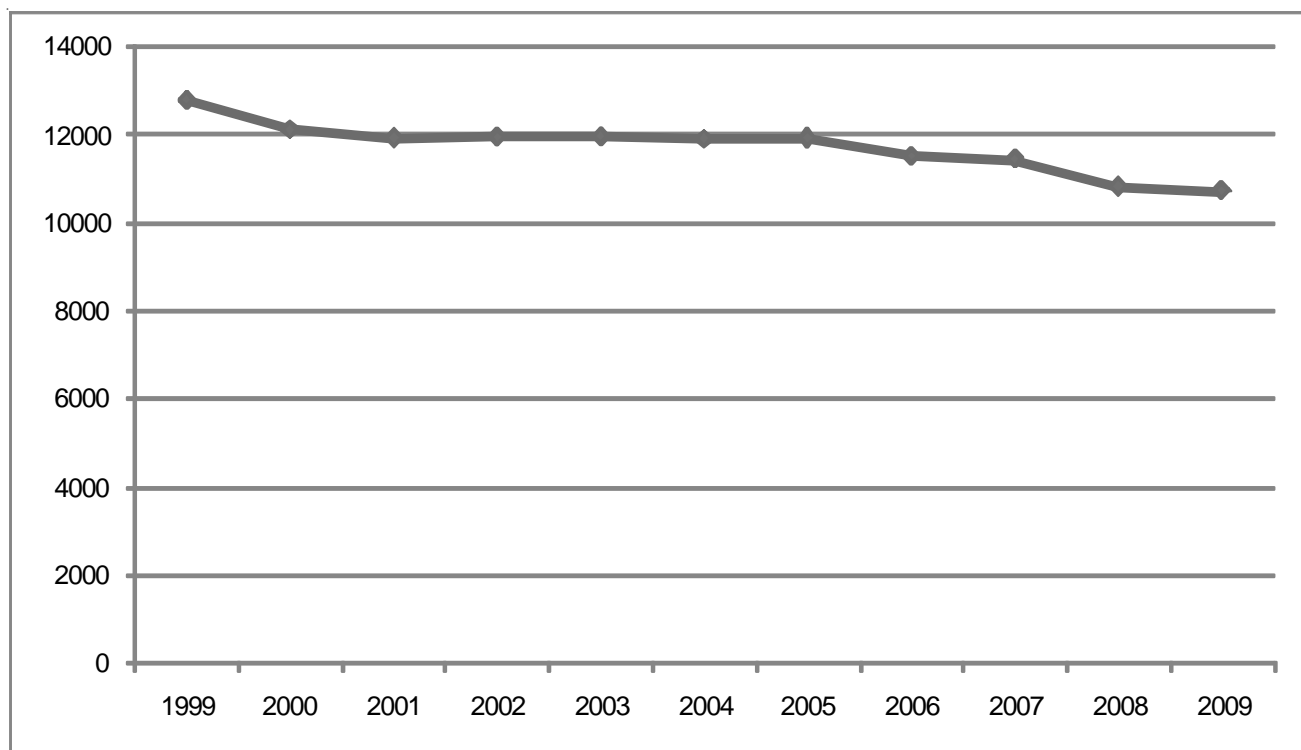
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	4,094	12.7
2.0	ST. LOUIS	3,224	10.0
3.0	SPRINGFIELD	2,280	7.1
4.0	INDEPENDENCE	992	3.1
5.0	ST. JOSEPH	704	2.2
6.0	COLUMBIA	669	2.1
7.0	JOPLIN	668	2.1
8.0	ST. CHARLES	574	1.8
9.0	CAPE GIRARDEAU	558	1.7
10.0	FLORISSANT	528	1.6
11.0	LEE'S SUMMIT	512	1.6
12.0	JEFFERSON CITY	436	1.4
13.0	CREVE COEUR	427	1.3
14.0	ST. PETERS	423	1.3
15.0	O'FALLON	410	1.3
16.0	CHESTERFIELD	391	1.2
17.0	KIRKWOOD	353	1.1
18.0	BLUE SPRINGS	336	1.0
19.0	TOWN AND COUNTRY	320	1.0
20.0	POPLAR BLUFF	317	1.0
21.0	BRANSON	310	1.0
22.0	SEDALIA	301	0.9
23.0	MARYLAND HEIGHTS	297	0.9
24.0	ROLLA	276	0.9
25.0	SUNSET HILLS	260	0.8
26.0	HAZELWOOD	256	0.8
27.0	UNIVERSITY CITY	232	0.7
28.0	LIBERTY	228	0.7
29.0	BRIDGETON	212	0.7
30.0	FENTON	206	0.6
31.0	BELTON	198	0.6
32.0	HANNIBAL	197	0.6
33.0	RAYTOWN	191	0.6
34.0	CLAYTON	190	0.6
35.0	ARNOLD	187	0.6
36.0	FARMINGTON	181	0.6
37.0	LEBANON	180	0.6
38.0	SIKESTON	175	0.5
39.0	GLADSTONE	173	0.5
40.0	DES PERES	171	0.5
41.0	WEST PLAINS	167	0.5
42.0	RICHMOND HEIGHTS	161	0.5
43.0	MANCHESTER	158	0.5
44.5	OVERLAND	157	0.5
44.5	WASHINGTON	157	0.5
46.0	OSAGE BEACH	155	0.5
47.0	BALLWIN	149	0.5

<sup>1</sup>Percentage is based on young driver involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.4.19**

**MISSOURI FATAL AND PERSONAL INJURY OLDER DRIVER INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.4.1**

### 3.5 COMMERCIAL MOTOR VEHICLE INVOLVEMENT

***This section presents a series of data displays which identify commercial motor vehicle involvement in Missouri's traffic crash activity. Commercial motor vehicle traffic crashes are defined as any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having a Gross Vehicle Weight Rating of 10,001 pounds or more, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards. This is a change to the definition used in previous editions of the Compendium. Comparisons to previous years may not be appropriate. Data displays also are provided which describe characteristics of the commercial motor vehicle drivers in these traffic crashes.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 8.7% involved a commercial motor vehicle. Of all fatal traffic crashes, 11.9% involved a commercial motor vehicle. A total of 103 persons were killed and 3,569 were injured in commercial motor vehicle crashes.
- There was a decrease of 11.4% in the rate of change when comparing all 2009 commercial motor vehicle related traffic crash activity with that in 2008. There was a decrease of 20.5% when comparing 2009 fatal commercial motor vehicle traffic crashes with 2008.
- In 2009, one person was killed or injured in a commercial motor vehicle related crash every 3.7 hours in the State of Missouri.
- Of all 2009 commercial motor vehicle crashes, the first harmful event in 69.2% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 14.3% of the cases, it involved a motor vehicle striking a fixed object.
- Of all 2009 commercial motor vehicle involved crashes, 59.1% occurred in an urban area of the State and 40.9% occurred in a rural area. However, in those cases where commercial motor vehicles were involved in fatal crashes 75.3% occurred in rural area.
- Of all commercial motor vehicles in 2009 traffic crashes, 36.8% were non-placarded truck-tractors with one unit, 26.4% were non-placarded single unit trucks, and 4.8% were non-placarded school buses.
- Of all commercial motor vehicle drivers in 2009 traffic crashes, 89.9% were male and 10.1% were female. The average age of commercial motor vehicle drivers was 44.1 years.
- Of all commercial motor vehicle drivers in these crashes, 70.7% had a Missouri driver's license, 28.6% had an out-of-state driver's license, and 0.7% were unlicensed at the time of the traffic crash.

**2009 MISSOURI TRAFFIC CRASHES**  
**COMMERCIAL MOTOR VEHICLE INVOLVEMENT**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>	<b>TOTAL NUMBER<sup>1</sup></b>	<b>COMM. MOTOR VEH. DRIVERS/PASSENGERS<sup>2</sup></b>
	<b>KILLED</b>		<b>INJURED</b>		<b>DAMAGE</b>		<b>KILLED</b>		<b>KILLED</b>	<b>INJURED</b>
COMMERCIAL MOTOR VEHICLE INVOLVED	93	11.9	2,303	6.2	10,557	9.5	12,953	8.7	103	3,569
NO COMMERCIAL MOTOR VEHICLE INVOLVED	686	88.1	34,540	93.8	100,873	90.5	136,099	91.3	768	50,055
UNKNOWN <sup>3</sup>	7	-	156	-	3,780	-	3,943	-	7	205
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>
									<b>13</b>	<b>1,265</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more commercial motor vehicles were involved.

<sup>2</sup>This statistic indicates the number of commercial motor vehicle drivers and passengers killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a commercial motor vehicle and the body type of one or more vehicles involved in the crash was not known.

**TABLE 3.5.1**

### 2008 and 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	117	93	-20.5
PERSONAL INJURY	2,720	2,303	-15.3
PROPERTY DAMAGE	11,784	10,557	-10.4
TOTAL	14,621	12,953	-11.4

**TABLE 3.5.2**

### 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	8	0.4	189	1.8	197	1.5
BICYCLIST	1	1.1	20	0.9	3	0.0	24	0.2
FIXED OBJECT	6	6.5	257	11.2	1,591	15.1	1,854	14.3
OTHER OBJECT	2	2.2	16	0.7	121	1.2	139	1.1
PEDESTRIAN	3	3.2	40	1.7	3	0.0	46	0.4
TRAIN	0	0.0	1	0.0	1	0.0	2	0.0
VEHICLE IN TRANSPORT	69	74.2	1,721	74.7	7,171	67.9	8,961	69.2
VEHICLE ON OTHER ROADWAY	2	2.2	6	0.3	30	0.3	38	0.3
PARKED VEHICLE	3	3.2	64	2.8	1,034	9.8	1,101	8.5
NONCOLLISION OVERTURN	5	5.4	152	6.6	188	1.8	345	2.7
NONCOLLISION OTHER	2	2.2	18	0.8	226	2.1	246	1.9
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

**TABLE 3.5.3**



## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	23	24.7	1,291	56.1	6,337	60.0	7,651	59.1
RURAL	70	75.3	1,012	43.9	4,220	40.0	5,302	40.9
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

**TABLE 3.5.4**

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	74	79.6	1,912	83.8	8,870	86.3	10,856	85.8
CURVE	19	20.4	370	16.2	1,412	13.7	1,801	14.2
UNKNOWN	0	-	21	-	275	-	296	-
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

**TABLE 3.5.5**

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	44	47.3	1,494	65.7	7,325	71.8	8,863	70.5
HILL	47	50.5	732	32.2	2,696	26.4	3,475	27.6
CREST	2	2.2	48	2.1	188	1.8	238	1.9
UNKNOWN	0	-	29	-	348	-	377	-
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

**TABLE 3.5.6**

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	75	80.7	1,763	77.0	8,226	78.7	10,064	78.4
WET	16	17.2	428	18.7	1,720	16.4	2,164	16.9
SNOW	1	1.1	61	2.7	349	3.3	411	3.2
ICE	1	1.1	27	1.2	123	1.2	151	1.2
SLUSH	0	0.0	5	0.2	24	0.2	29	0.2
MUD	0	0.0	3	0.1	5	0.1	8	0.1
STANDING WATER	0	0.0	3	0.1	4	0.0	7	0.1
MOVING WATER	0	0.0	0	0.0	2	0.0	2	0.0
UNKNOWN	0	-	13	-	104	-	117	-
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

**TABLE 3.5.7**

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	15	16.1	538	23.4	2,385	22.6	2,938	22.7
U.S. HIGHWAY	26	28.0	327	14.2	1,178	11.2	1,531	11.8
STATE NUMBERED	24	25.8	375	16.3	1,270	12.0	1,669	12.9
SINGLE STATE LETTERED	10	10.8	143	6.2	396	3.8	549	4.2
DOUBLE STATE LETTERED	3	3.2	51	2.2	154	1.5	208	1.6
OUTER ROAD	1	1.1	20	0.9	62	0.6	83	0.6
COUNTY ROAD	5	5.4	113	4.9	578	5.5	696	5.0
CITY STREET	8	8.6	709	30.8	4,232	40.1	4,949	38.2
INTERSTATE LOOP	0	0.0	3	0.1	20	0.2	23	0.2
OTHER <sup>1</sup>	1	1.1	24	1.0	282	2.7	307	2.4
<b>TOTAL</b>	93	100.0	2,303	100.0	10,557	100.0	12,953	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.5.8**

**2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES**  
**HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY**

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	5	21.7	301	23.3	1,187	18.7	1,493	19.5	10	14.3	237	23.4	1,198	28.4	1,445	27.3
U.S. HIGHWAY	3	13.0	122	9.5	460	7.3	585	7.7	23	32.9	205	20.3	718	17.0	946	17.8
STATE NUMBERED	4	17.4	135	10.5	500	7.9	639	8.4	20	28.6	240	23.7	770	18.3	1,030	19.4
SINGLE STATE LETTERED	1	4.4	20	1.6	70	1.1	91	1.2	9	12.9	123	12.2	326	7.7	458	8.6
DOUBLE STATE LETTERED	0	0.0	13	1.0	40	0.6	53	0.7	3	4.3	38	3.8	114	2.7	155	2.9
OUTER ROAD	0	0.0	7	0.5	30	0.5	37	0.5	1	1.4	13	1.3	32	0.8	46	0.9
COUNTY ROAD	1	4.4	9	0.7	58	0.9	68	0.9	4	5.7	104	10.3	520	12.3	628	11.8
CITY STREET	8	34.8	666	51.6	3,793	59.9	4,467	58.4	0	0.0	43	4.3	439	10.4	482	9.1
INTERSTATE LOOP	0	0.0	2	0.2	11	0.2	13	0.2	0	0.0	1	0.1	9	0.2	10	0.2
OTHER <sup>1</sup>	1	4.4	16	1.2	188	3.0	205	2.7	0	0.0	8	0.8	94	2.2	102	1.9
TOTAL	23	100.0	1,291	100.0	6,337	100.0	7,651	100.0	70	100.0	1,012	100.0	4,220	100.0	5,302	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.5.9**

**2009 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	1,129	8.7
FEBRUARY	983	7.6
MARCH	1,039	8.0
APRIL	1,067	8.2
MAY	1,101	8.5
JUNE	1,080	8.3
JULY	1,069	8.3
AUGUST	1,078	8.3
SEPTEMBER	1,061	8.2
OCTOBER	1,218	9.4
NOVEMBER	1,034	8.0
DECEMBER	1,094	8.5
<b>TOTAL</b>	12,953	100.0

**TABLE 3.5.10**

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**2009 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	686	5.3
MONDAY	2,188	16.9
TUESDAY	2,355	18.2
WEDNESDAY	2,149	16.6
THURSDAY	2,162	16.7
FRIDAY	2,223	17.2
SATURDAY	1,187	9.2
UNKNOWN	3	--
<b>TOTAL</b>	12,953	100.0

**TABLE 3.5.11**

## 2009 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	155	1.2
01:00A - 01:59A	143	1.1
02:00A - 02:59A	125	1.0
03:00A - 03:59A	107	0.8
04:00A - 04:59A	113	0.9
05:00A - 05:59A	177	1.4
06:00A - 06:59A	401	3.1
07:00A - 07:59A	829	6.4
08:00A - 08:59A	828	6.4
09:00A - 09:59A	795	6.2
10:00A - 10:59A	911	7.1
11:00A - 11:59A	959	7.4
NOON - 12:59P	992	7.7
01:00P - 01:59P	905	7.0
02:00P - 02:59P	1,048	8.1
03:00P - 03:59P	1,090	8.4
04:00P - 04:59P	920	7.1
05:00P - 05:59P	728	5.6
06:00P - 06:59P	482	3.7
07:00P - 07:59P	311	2.4
08:00P - 08:59P	248	1.9
09:00P - 09:59P	268	2.1
10:00P - 10:59P	209	1.6
11:00P - MIDNIGHT	170	1.3
UNKNOWN	39	--
<b>TOTAL</b>	12,953	100.0

**TABLE 3.5.12**

## 2009 MISSOURI COMMERCIAL MOTOR VEHICLE CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL COMMERCIAL MOTOR VEHICLE CRASHES = 93				TOTAL COMMERCIAL MOTOR VEHICLE CRASHES = 12,953		
	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	3.2	1.1	4.3	5.3	0.8	6.1
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	1.1	2.2	3.2	0.4	0.4	0.7
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	6.5	20.4	26.9	5.8	6.0	11.5
IMPROPER PASSING	1.1	3.2	4.3	1.1	1.9	3.0
VIOLATION OF STOP SIGN	2.2	4.3	6.5	1.1	1.7	2.7
WRONG SIDE NOT PASSING	2.2	19.4	21.5	1.0	1.1	2.1
FOLLOWING TOO CLOSE	1.1	3.2	4.3	5.6	4.8	10.2
IMPROPER SIGNAL	0.0	1.1	1.1	0.2	0.1	0.3
IMPROPER BACKING	0.0	0.0	0.0	4.5	0.6	5.1
IMPROPER TURN	3.2	3.2	6.5	4.9	1.2	6.1
IMPROPER LANE USAGE / CHANGE	6.5	14.0	20.4	9.9	7.3	16.6
WRONG WAY ONE-WAY STREET	0.0	1.1	1.1	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.1	0.1	0.2
IMPROPERLY PARKED	0.0	0.0	0.0	0.3	0.5	0.8
FAILED TO YIELD	4.3	22.6	26.9	5.1	6.1	11.0
DRINKING	0.0	11.8	11.8	0.8	1.2	2.0
DRUGS	0.0	7.5	7.5	0.1	0.4	0.5
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.8	0.6	1.4
INATTENTION	7.5	19.4	26.9	18.9	10.5	28.3

<sup>1</sup>This table identifies the percentage of commercial motor vehicle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the commercial motor vehicle driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri fatal commercial motor vehicle crashes, it was found that a commercial motor vehicle driver was speeding in 6.5% of the crashes. In 20.4% of the crashes another driver was speeding. In 26.9% of the crashes either a commercial motor vehicle driver, another driver, or both drivers were speeding.

**TABLE 3.5.13**

**COMMERCIAL MOTOR VEHICLES IN 2009 MISSOURI CRASHES**

**TYPE OF COMMERCIAL MOTOR VEHICLE BY CRASH SEVERITY**

<b>PLACARDED</b>	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	0	0.0	4	11.1	39	26.0	43	22.8
SPORT UTILITY VEHICLE	0	0.0	0	0.0	11	7.3	11	5.8
VAN	0	0.0	1	2.8	5	3.3	6	3.2
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	1	0.7	1	0.5
PICKUP TRUCK	0	0.0	0	0.0	9	6.0	9	4.8
SINGLE UNIT TRUCK	1	33.3	10	27.8	15	10.0	26	13.8
TRUCK-TRACTOR - NO UNIT	0	0.0	0	0.0	0	0.0	0	0.0
TRUCK-TRACTOR - 1 UNIT	1	33.3	19	52.8	60	40.0	80	42.3
TRUCK-TRACTOR - 2 UNITS	1	33.3	1	2.8	5	3.3	7	3.7
OTHER HEAVY TRUCKS	0	0.0	1	2.8	2	1.3	3	1.6
UNKNOWN	0	--	0	--	2	--	2	--
<b>NON-PLACARDED TRUCKS HAVING A GCVWR OF 10,001 POUNDS OR MORE</b>								
PICKUP TRUCK	9	9.6	451	18.9	1,873	16.9	2,333	17.2
SINGLE UNIT TRUCK	31	33.0	637	26.7	2,914	26.2	3,582	26.4
TRUCK-TRACTOR - NO UNITS	1	1.1	53	2.2	199	1.8	253	1.9
TRUCK-TRACTOR - 1 UNIT	46	48.9	833	34.9	4,125	37.1	5,004	36.8
TRUCK-TRACTOR - 2 UNITS	2	2.1	34	1.4	136	1.2	172	1.3
TRUCK-TRACTOR - 3 UNITS	0	0.0	2	0.1	6	0.1	8	0.1
OTHER HEAVY TRUCKS	3	3.2	112	4.7	687	6.2	802	5.9
<b>NON-PLACARDED BUS - 16 OR MORE SEATING CAPACITY</b>								
BUS	0	0.0	156	6.5	626	5.6	782	5.8
SCHOOL BUS	2	2.1	112	4.7	541	4.9	655	4.8
<b>TOTAL</b>	<b>97</b>	<b>100.0</b>	<b>2,426</b>	<b>100.0</b>	<b>11,257</b>	<b>100.0</b>	<b>13,780</b>	<b>100.0</b>

**TABLE 3.5.14**

**COMMERCIAL MOTOR VEHICLES IN 2009 MISSOURI CRASHES**

**DRIVER INVOLVEMENT BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
DRIVERLESS	4	4.1	79	3.3	402	3.6	485	3.5
KNOWN DRIVER INVOLVED	93	95.9	2,285	94.2	10,041	89.2	12,419	90.1
UNKNOWN DRIVER INVOLVED	0	0.0	62	2.6	814	7.2	876	6.4
<b>TOTAL</b>	<b>97</b>	<b>100.0</b>	<b>2,426</b>	<b>100.0</b>	<b>11,257</b>	<b>100.0</b>	<b>13,780</b>	<b>100.0</b>

**TABLE 3.5.15**

**DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2009 MISSOURI CRASHES**

**SEX OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
MALE	89	95.7	2,058	90.1	8,928	89.8	11,075	89.9
FEMALE	4	4.3	227	9.9	1,019	10.2	1,250	10.1
UNKNOWN	0	-	62	-	908	-	970	-
<b>TOTAL</b>	<b>93</b>	<b>100.0</b>	<b>2,347</b>	<b>100.0</b>	<b>10,855</b>	<b>100.0</b>	<b>13,295</b>	<b>100.0</b>

**TABLE 3.5.16**



# DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	46.1	-	43.9	-	44.1	-	44.1	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	2	2.2	60	2.6	210	2.1	272	2.2
21 - 25 YEARS	4	4.3	138	6.1	641	6.5	783	6.4
26 - 30 YEARS	4	4.3	219	9.6	915	9.2	1,138	9.2
31 - 35 YEARS	9	9.7	221	9.7	978	9.8	1,208	9.8
36 - 40 YEARS	13	14.0	275	12.1	1,191	12.0	1,479	12.0
41 - 45 YEARS	14	15.1	308	13.5	1,332	13.4	1,654	13.4
46 - 50 YEARS	8	8.6	333	14.6	1,464	14.7	1,805	14.7
51 - 55 YEARS	17	18.3	365	11.6	1,208	12.2	1,490	12.1
56 - 60 YEARS	11	11.8	224	9.8	912	9.2	1,147	9.3
61 - 65 YEARS	4	4.3	122	5.4	597	6.0	723	5.9
66 YEARS AND OVER	7	7.5	112	4.9	492	5.0	611	5.0
UNKNOWN	0	-	70	-	915	-	985	-
<b>TOTAL</b>	93	100.0	2,347	100.0	10,855	100.0	13,295	100.0

**TABLE 3.5.17**

# DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2009 MISSOURI CRASHES

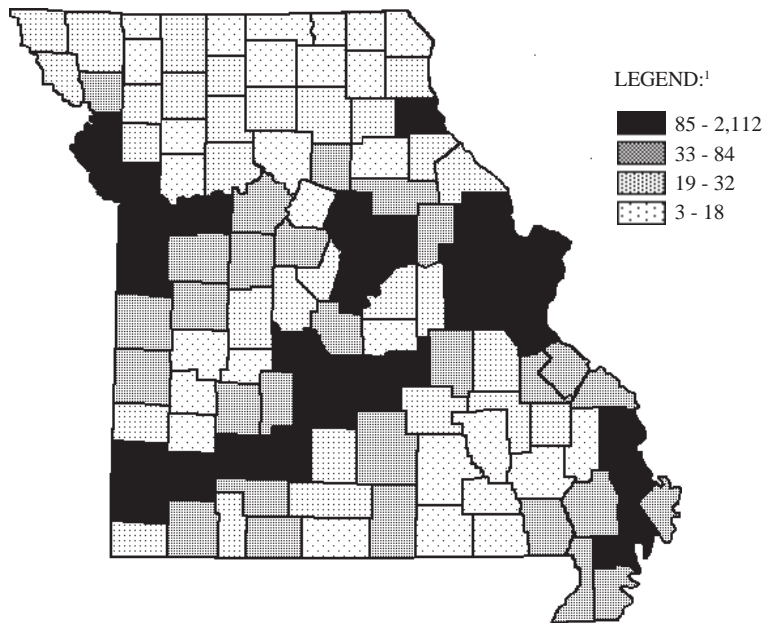
## DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	0	0.0	2	0.1	8	0.1	10	0.1
OPERATOR'S LICENSE	20	21.7	621	27.7	2,716	28.1	3,357	28.0
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	47	51.1	991	44.1	4,079	42.2	5,117	42.6
SUBTOTAL	67	72.8	1,614	71.9	6,803	70.4	8,484	70.7
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.0	1	0.0
OPERATOR'S LICENSE	4	4.4	94	4.2	450	4.7	548	4.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	21	22.8	515	22.9	2,351	24.3	2,887	24.0
SUBTOTAL	25	27.2	609	27.1	2,802	29.0	3,436	28.6
UNLICENSED	0	0.0	23	1.0	64	0.7	87	0.7
UNKNOWN	1	-	101	-	1,186	-	1,288	-
<b>TOTAL</b>	93	100.0	2,347	100.0	10,855	100.0	13,295	100.0

**TABLE 3.5.18**

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	2,112	16.3	24.0	LAWRENCE	94	0.7
2.0	JACKSON	1,523	11.8	25.5	SCOTT	92	0.7
3.0	ST. LOUIS CITY	1,481	11.4	25.5	WARREN	92	0.7
4.0	GREENE	828	6.4	27.0	PULASKI	88	0.7
5.0	ST. CHARLES	559	4.3	28.0	LINCOLN	87	0.7
6.0	CLAY	429	3.3	29.0	MARION	85	0.7
7.0	JEFFERSON	375	2.9				First Quartile
8.0	FRANKLIN	250	1.9				Second Quartile
9.0	BOONE	240	1.9	30.0	PETTIS	84	0.6
10.0	PLATTE	229	1.8	31.0	COOPER	81	0.6
11.0	JASPER	219	1.7	32.0	ST. FRANCOIS	80	0.6
12.0	BUCHANAN	189	1.5	33.0	BUTLER	78	0.6
13.0	PHELPS	184	1.4	34.0	HOWELL	77	0.6
14.0	CAPE GIRARDEAU	149	1.2	35.0	JOHNSON	72	0.6
15.0	CASS	148	1.1	36.5	CRAWFORD	71	0.5
16.5	CALLAWAY	114	0.9	36.5	PEMISCOT	71	0.5
16.5	NEWTON	114	0.9	38.5	MONTGOMERY	70	0.5
18.0	COLE	111	0.9	38.5	TANEY	70	0.5
19.0	WEBSTER	101	0.8	40.0	CHRISTIAN	69	0.5
21.0	CAMDEN	100	0.8	41.0	BARRY	66	0.5
21.0	LAFAYETTE	100	0.8	42.0	SALINE	63	0.5
21.0	NEW MADRID	100	0.8	43.0	RANDOLPH	60	0.4
23.0	LACLEDE	96	0.7				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
44.0	STODDARD	57	0.4	79.5	MADISON	23	0.2
45.0	DUNKLIN	54	0.4	82.0	CLINTON	22	0.2
46.0	PERRY	52	0.4	82.0	DOUGLAS	22	0.2
47.0	DALLAS	41	0.3	82.0	MONITEAU	22	0.2
48.0	AUDRAIN	39	0.3	84.0	ATCHISON	21	0.2
51.0	ANDREW	37	0.3	85.5	CARROLL	20	0.2
51.0	BATES	37	0.3	85.5	DAVISS	20	0.2
51.0	HENRY	37	0.3	87.0	GASCONADE	19	0.1
51.0	TEXAS	37	0.3	Third Quartile			
51.0	VERNON	37	0.3	Fourth Quartile			
54.5	MISSISSIPPI	36	0.3	89.0	ADAIR	18	0.1
54.5	POLK	36	0.3	89.0	CARTER	18	0.1
56.5	MILLER	33	0.3	89.0	MARIES	18	0.1
56.5	STE. GENEVIEVE	33	0.3	91.0	OREGON	17	0.1
Second Quartile				92.5	CALDWELL	16	0.1
Third Quartile				92.5	REYNOLDS	16	0.1
58.5	GRUNDY	32	0.2	94.5	RIPLEY	15	0.1
58.5	LEWIS	32	0.2	94.5	ST. CLAIR	15	0.1
60.5	DE KALB	31	0.2	97.0	OZARK	14	0.1
60.5	MORGAN	31	0.2	97.0	SHANNON	14	0.1
62.5	NODAWAY	30	0.2	97.0	WAYNE	14	0.1
62.5	OSAGE	30	0.2	99.5	CLARK	13	0.1
64.5	MCDONALD	29	0.2	99.5	MONROE	13	0.1
64.5	WASHINGTON	29	0.2	101.5	CEDAR	12	0.1
67.0	HOLT	28	0.2	101.5	CHARITON	12	0.1
67.0	LINN	28	0.2	103.0	RAY	11	0.1
67.0	LIVINGSTON	28	0.2	104.0	BOLLINGER	10	0.1
70.0	PIKE	26	0.2	106.5	KNOX	8	0.1
70.0	RALLS	26	0.2	106.5	MERCER	8	0.1
70.0	STONE	26	0.2	106.5	PUTNAM	8	0.1
72.5	HARRISON	25	0.2	106.5	SCOTLAND	8	0.1
72.5	WRIGHT	25	0.2	110.0	DADE	7	0.1
76.0	BENTON	24	0.2	110.0	HOWARD	7	0.1
76.0	DENT	24	0.2	110.0	SULLIVAN	7	0.1
76.0	IRON	24	0.2	112.5	HICKORY	6	0.0
76.0	MACON	24	0.2	112.5	WORTH	6	0.0
76.0	SHELBY	24	0.2	114.0	GENTRY	4	0.0
79.5	BARTON	23	0.2	115.0	SCHUYLER	3	0.0

TABLE 3.5.19

## 2009 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

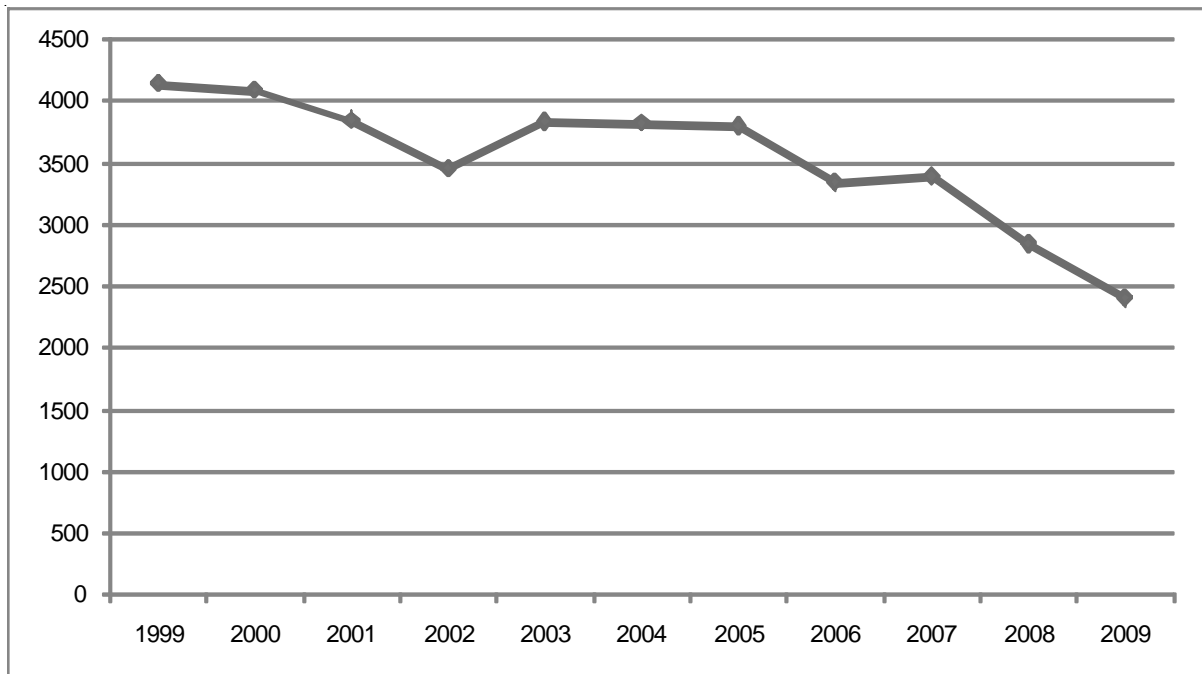
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	ST. LOUIS	1,481	17.0
2.0	KANSAS CITY	1,251	14.4
3.0	SPRINGFIELD	655	7.5
4.0	INDEPENDENCE	164	1.9
5.0	COLUMBIA	155	1.8
6.0	LEE'S SUMMIT	142	1.6
7.0	ST. JOSEPH	140	1.6
8.0	JOPLIN	116	1.3
9.0	ST. CHARLES	105	1.2
10.5	FLORISSANT	98	1.1
10.5	ST. PETERS	98	1.1
12.0	O'FALLON	93	1.1
13.0	JEFFERSON CITY	92	1.1
14.0	ROLLA	89	1.0
15.0	SUNSET HILLS	88	1.0
16.0	CAPE GIRARDEAU	87	1.0
17.0	BRIDGETON	84	1.0
18.0	BLUE SPRINGS	83	1.0
19.0	MARYLAND HEIGHTS	82	0.9
20.0	ST. ANN	79	0.9
21.0	CHESTERFIELD	74	0.9
22.0	LIBERTY	71	0.8
24.0	CREVE COEUR	66	0.8
24.0	KIRKWOOD	66	0.8
24.0	NORTH KANSAS CITY	66	0.8
26.0	WENTZVILLE	62	0.7
27.5	BERKELEY	60	0.7
27.5	UNIVERSITY CITY	60	0.7
29.0	WASHINGTON	57	0.7
30.0	HAZELWOOD	55	0.6
31.0	SEDALIA	54	0.6
32.0	TOWN AND COUNTRY	52	0.6
33.0	CLAYTON	51	0.6
34.0	FENTON	50	0.6
36.5	ARNOLD	47	0.5
36.5	HANNIBAL	47	0.5
36.5	OSAGE BEACH	47	0.5
36.5	OVERLAND	47	0.5
39.0	ST. ROBERT	45	0.5
40.0	WEBSTER GROVES	44	0.5
41.0	SIKESTON	42	0.5
43.0	BELTON	40	0.5
43.0	FESTUS	40	0.5
43.0	WILDWOOD	40	0.5

<sup>1</sup>Percentage is based on commercial motor vehicle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.5.20**

**MISSOURI FATAL AND PERSONAL INJURY COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.5.1**

### 3.6 MOTORCYCLE INVOLVEMENT

***This section presents a series of data displays which describe motorcycle involvement in Missouri's traffic crash experience. Motorcycle traffic crashes are defined as any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are not considered motorcycles for the purpose of this analysis. Data displays also are provided in this section which identify characteristics of motorcycle drivers in traffic crashes.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 1.6% involved a motorcycle. Of all fatal traffic crashes, 10.7% involved a motorcycle. A total of 85 persons were killed and 2,182 were injured in motorcycle crashes.
- There was an decrease of 5.6% in the rate of change when comparing total 2009 motorcycle traffic crashes with those in 2008. There was an decrease of 19.4% when comparing fatal 2009 motorcycle crashes with 2008.
- In 2009, one person was killed or injured in a motorcycle traffic crash every 4.5 hours in the State of Missouri.
- Of all 2009 motorcycle crashes, the first harmful event in 41.6% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 27.6% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic crashes, 31.3% of the cases involved a motor vehicle striking a fixed object.
- Of all 2009 motorcycle traffic crashes, 50.9% occurred in urban regions of the State and 49.1% occurred in rural areas. However, in fatal motorcycle crashes, 62.7% occurred in a rural area.
- Of all motorcycle drivers in traffic crashes, 93.6% were male and 6.4% were female. The average age of motorcyclists was 40.2 years.
- Motorcycle drivers were speeding in 42.2% of all fatal motorcycle traffic crashes and their drinking was a causative factor in 14.5% of these crashes.
- Of those motorcyclists in 2009 traffic crashes who wore a helmet, 27.5% were either killed or received a major disabling injury. Of those not wearing helmets, 40.9% were either killed or received a major disabling injury.

## 2009 MISSOURI TRAFFIC CRASHES

### MOTORCYCLE INVOLVEMENT<sup>1</sup>

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED	INJURED	MOTORCYCLE DRIVERS/PASSENGERS <sup>2</sup> KILLED	INJURED
MOTORCYCLE INVOLVED	83	10.7	1,843	5.0	502	0.5	2,428	1.6	85	2,182	84	2,065
NO MOTORCYCLE INVOLVED	696	89.4	34,999	95.0	110,893	99.6	146,588	98.4	786	51,437	-	-
UNKNOWN <sup>3</sup>	7	-	157	-	3,815	-	3,979	-	7	210	-	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>84</b>	<b>2,065</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more motorcycles were involved.

<sup>2</sup>This statistic indicates the number of motorcycle drivers and passengers killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a motorcycle and the body type of one or more vehicles involved in the crash was not known.

**TABLE 3.6.1**



### 2008 and 2009 MOTORCYCLE INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	103	83	-19.4
PERSONAL INJURY	1,955	1,843	-5.7
PROPERTY DAMAGE	513	502	-2.1
TOTAL	2,571	2,428	-5.6

**TABLE 3.6.2**

### 2009 MOTORCYCLE INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	3	3.6	101	5.5	11	2.2	115	4.7
BICYCLIST	0	0.0	6	0.3	0	0.0	6	0.3
FIXED OBJECT	26	31.3	334	18.1	58	11.6	418	17.2
OTHER OBJECT	0	0.0	13	0.7	3	0.6	16	0.7
PEDESTRIAN	1	1.2	9	0.5	0	0.0	10	0.4
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	36	43.4	687	37.3	288	57.4	1,011	41.6
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.1	1	0.2	2	0.1
PARKED VEHICLE	0	0.0	19	1.0	37	7.4	56	2.3
NONCOLLISION OVERTURN	17	20.5	573	31.1	81	16.1	671	27.6
NONCOLLISION OTHER	0	0.0	100	5.4	23	4.6	123	5.1
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

**TABLE 3.6.3**

## 2009 MOTORCYCLE INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	31	37.4	910	49.4	295	58.8	1,236	50.9
RURAL	52	62.7	933	50.6	207	41.2	1,192	49.1
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

**TABLE 3.6.4**

## 2009 MOTORCYCLE INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	43	51.8	1,254	68.6	396	81.2	1,693	70.6
CURVE	40	48.2	573	31.4	92	18.9	705	29.4
UNKNOWN	0	-	16	-	14	-	30	-
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

**TABLE 3.6.5**

## 2009 MOTORCYCLE INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	27	32.5	1,096	60.5	351	72.4	1,474	61.9
HILL	55	66.3	674	37.2	125	25.8	854	35.9
CREST	1	1.2	43	2.4	9	1.9	53	2.2
UNKNOWN	0	-	30	-	17	-	47	-
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

**TABLE 3.6.6**

## 2009 MOTORCYCLE INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	81	98.8	1,728	94.9	467	94.5	2,276	95.0
WET	1	1.2	92	5.1	27	5.5	120	5.0
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	0	0.0	0	0.0	0	0.0
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	1	0.1	0	0.0	1	0.0
UNKNOWN	1	-	22	-	8	-	31	-
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

**TABLE 3.6.7**

## 2009 MOTORCYCLE INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	2	2.4	143	7.8	47	9.4	192	7.9
U.S. HIGHWAY	9	10.8	169	9.2	57	11.4	235	9.7
STATE NUMBERED	24	28.9	377	20.5	82	16.3	483	19.9
SINGLE STATE LETTERED	8	9.6	187	10.2	42	8.4	237	9.8
DOUBLE STATE LETTERED	9	10.8	89	4.8	19	3.8	117	4.8
OUTER ROAD	0	0.0	11	0.6	5	1.0	16	0.7
COUNTY ROAD	8	9.6	203	11.1	40	8.0	251	10.3
CITY STREET	21	25.3	618	33.5	190	37.9	829	34.1
INTERSTATE LOOP	1	1.2	11	0.6	1	0.2	13	0.5
OTHER <sup>1</sup>	1	1.2	35	1.9	19	3.8	55	2.3
<b>TOTAL</b>	83	100.0	1,843	100.0	502	100.0	2,428	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.6.8**

## 2009 MOTORCYCLE INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	3.2	90	9.9	28	9.5	119	9.6	1	1.9	53	5.7	19	9.2	73	6.1
U.S. HIGHWAY	3	9.7	81	8.9	32	10.9	116	9.4	6	11.5	88	9.4	25	12.1	119	10.0
STATE NUMBERED	6	19.4	96	10.6	31	10.5	133	10.8	18	34.6	281	30.1	51	24.6	350	29.4
SINGLE STATE LETTERED	0	0.0	8	0.9	8	2.7	16	1.3	8	15.4	179	19.2	34	16.4	221	18.5
DOUBLE STATE LETTERED	2	6.5	14	1.5	4	1.4	20	1.6	7	13.5	75	8.0	15	7.3	97	8.1
OUTER ROAD	0	0.0	7	0.8	3	1.0	10	0.8	0	0.0	4	0.4	2	1.0	6	0.5
COUNTY ROAD	0	0.0	13	1.4	6	2.0	19	1.5	8	15.4	190	20.4	34	16.4	232	19.5
CITY STREET	19	61.3	570	62.6	168	57.0	757	61.3	2	3.9	48	5.1	22	10.6	72	6.0
INTERSTATE LOOP	0	0.0	6	0.7	0	0.0	6	0.5	1	1.9	5	0.5	1	0.5	7	0.6
OTHER <sup>1</sup>	0	0.0	25	2.8	15	5.1	40	3.2	1	1.9	10	1.1	4	1.9	15	1.3
TOTAL	31	100.0	910	100.0	295	100.0	1,236	100.0	52	100.0	933	100.0	207	100.0	1,192	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.6.9**

**2009 MISSOURI MOTORCYCLE INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	41	1.7
FEBRUARY	84	3.5
MARCH	161	6.6
APRIL	227	9.4
MAY	330	13.6
JUNE	288	11.9
JULY	335	13.8
AUGUST	354	14.6
SEPTEMBER	291	12.0
OCTOBER	134	5.5
NOVEMBER	163	6.7
DECEMBER	20	0.8
<b>TOTAL</b>	2,428	100.0

**TABLE 3.6.10****2009 MISSOURI MOTORCYCLE INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	410	16.9
MONDAY	274	11.3
TUESDAY	224	9.2
WEDNESDAY	287	11.8
THURSDAY	292	12.0
FRIDAY	435	17.9
SATURDAY	506	20.8
<b>TOTAL</b>	2,428	100.0

**TABLE 3.6.11**

## 2009 MISSOURI MOTORCYCLE INVOLVED CRASHES

### HOUR OF DAY

hour	frequency	percent
12:01A - 12:59A	33	1.4
01:00A - 01:59A	56	2.3
02:00A - 02:59A	22	0.9
03:00A - 03:59A	16	0.7
04:00A - 04:59A	8	0.3
05:00A - 05:59A	21	0.9
06:00A - 06:59A	35	1.4
07:00A - 07:59A	47	1.9
08:00A - 08:59A	44	1.8
09:00A - 09:59A	56	2.3
10:00A - 10:59A	97	4.0
11:00A - 11:59A	130	5.4
NOON - 12:59P	160	6.6
01:00P - 01:59P	150	6.2
02:00P - 02:59P	201	8.3
03:00P - 03:59P	225	9.3
04:00P - 04:59P	228	9.4
05:00P - 05:59P	210	8.7
06:00P - 06:59P	212	8.8
07:00P - 07:59P	133	5.5
08:00P - 08:59P	107	4.4
09:00P - 09:59P	90	3.7
10:00P - 10:59P	85	3.5
11:00P - MIDNIGHT	57	2.4
UNKNOWN	5	--
<b>TOTAL</b>	2,428	100.0

**TABLE 3.6.12**

## 2009 MISSOURI MOTORCYCLE CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL MOTORCYCLE CRASHES = 83				TOTAL MOTORCYCLE CRASHES = 2,428		
	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	2.8	0.5	3.3
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.3	0.4
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	38.6	4.8	42.2	24.1	1.2	25.0
IMPROPER PASSING	4.8	0.0	4.8	2.4	0.4	2.8
VIOLATION OF STOP SIGN	2.4	3.6	6.0	0.9	1.3	2.2
WRONG SIDE NOT PASSING	7.2	0.0	7.2	1.7	0.3	2.0
FOLLOWING TOO CLOSE	1.2	2.4	3.6	6.0	2.8	8.7
IMPROPER SIGNAL	0.0	1.2	1.2	0.1	0.1	0.2
IMPROPER BACKING	0.0	0.0	0.0	0.0	0.9	0.9
IMPROPER TURN	0.0	6.0	6.0	1.7	1.9	3.7
IMPROPER LANE USAGE / CHANGE	14.5	3.6	16.9	8.5	2.3	10.5
WRONG WAY ONE-WAY STREET	0.0	1.2	1.2	0.0	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.5	0.1	0.7
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.0	0.1
FAILED TO YIELD	2.4	10.8	13.3	2.6	13.2	15.7
DRINKING	14.5	7.2	20.5	5.9	1.1	6.9
DRUGS	2.4	3.6	6.0	0.4	0.3	0.7
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.5	0.1	0.6
INATTENTION	10.8	8.4	19.3	14.3	8.5	22.2

<sup>1</sup>This table identifies the percentage of motorcycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the motorcyclist or his motorcycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri motorcycle crashes, it was found that a motorcyclist was speeding in 38.6% of the crashes. In 4.8% of the crashes another driver was speeding. In 42.2% of the crashes either a motorcyclist, another driver, or both drivers were speeding.

**TABLE 3.6.13**

### MOTORCYCLES IN 2009 MISSOURI CRASHES

#### DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	1	1.2	3	0.2	31	6.1	35	1.4
KNOWN DRIVER INVOLVED	82	98.8	1,887	99.5	431	84.8	2,400	96.5
UNKNOWN DRIVER INVOLVED	0	0.0	6	0.3	46	9.1	52	2.1
<b>TOTAL</b>	83	100.0	1,896	100.0	508	100.0	2,487	100.0

**TABLE 3.6.14**

### DRIVERS OF MOTORCYCLES IN 2009 MISSOURI CRASHES

#### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	79	96.3	1,761	93.3	401	94.4	2,241	93.6
FEMALE	3	3.7	126	6.7	24	5.7	153	6.4
UNKNOWN	0	-	6	-	52	-	58	-
<b>TOTAL</b>	82	100.0	1,893	100.0	477	100.0	2,452	100.0

**TABLE 3.6.15**



# DRIVERS OF MOTORCYCLES IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	42.6	-	39.9	-	41.3	-	40.2	-
14 YEARS AND UNDER	1	1.2	3	0.2	1	0.2	5	0.2
15 - 20 YEARS	5	6.1	170	9.0	33	7.8	208	8.7
21 - 25 YEARS	6	7.3	240	12.7	45	10.6	291	12.2
26 - 30 YEARS	8	9.8	190	10.1	48	11.3	246	10.3
31 - 35 YEARS	6	7.3	157	8.3	28	6.6	191	8.0
36 - 40 YEARS	11	13.4	193	10.2	40	9.4	244	10.2
41 - 45 YEARS	9	11.0	208	11.0	49	11.5	266	11.1
46 - 50 YEARS	7	8.5	236	12.5	45	10.6	288	12.0
51 - 55 YEARS	12	14.6	222	11.8	60	14.1	294	12.3
56 - 60 YEARS	6	7.3	120	6.4	40	9.4	166	6.9
61 - 65 YEARS	5	6.1	90	4.8	22	5.2	117	4.9
66 YEARS AND OVER	6	7.3	56	3.0	14	3.3	76	3.2
UNKNOWN	0	-	8	-	52	-	60	-
<b>TOTAL</b>	82	100.0	1,893	100.0	477	100.0	2,452	100.0

**TABLE 3.6.16**

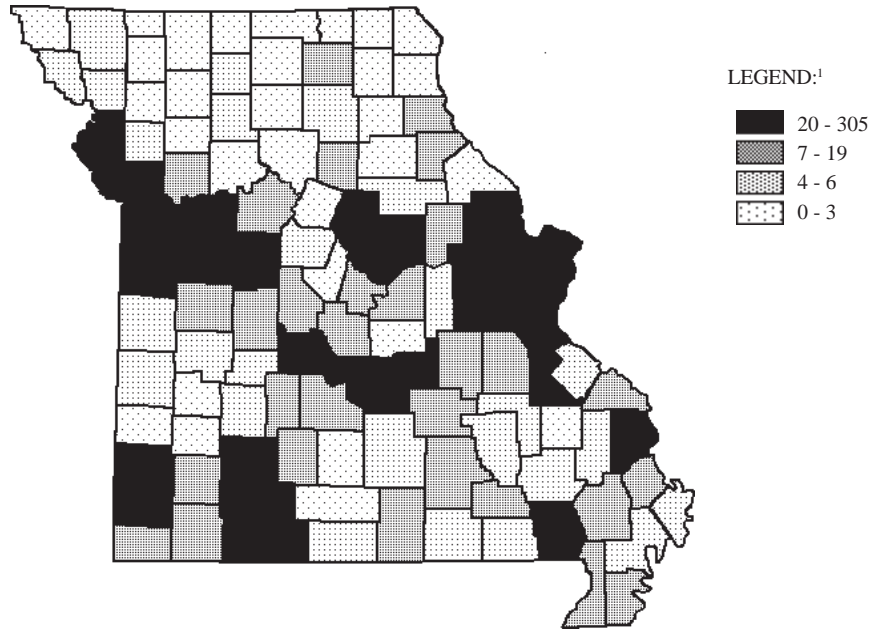
**DRIVERS OF MOTORCYCLES INVOLVED IN 2009 MISSOURI CRASHES**  
**HELMET USAGE BY PERSONAL INJURY SEVERITY**

	KILLED	DISABLING	EVIDENT	PROBABLE	NONE	UNKNOWN	TOTAL
HELMET USED <i>ROW %</i>	59 3.0	488 24.5	860 43.1	192 9.6	396 19.9	7 -	1,995 100.0
HELMET NOT USED <i>ROW %</i>	15 9.0	52 31.1	65 38.9	12 7.2	23 13.8	0 -	167 100.0
HELMET USE UNKNOWN <i>ROW %</i>	4 1.7	28 12.0	104 44.4	26 11.1	72 30.8	49 -	234 100.0
TOTAL <i>ROW %</i>	78 3.3	568 23.7	1,029 43.0	230 9.6	491 20.5	56 -	2,396 100.0

**TABLE 3.6.17**

## 2009 MOTORCYCLE INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	305	12.6	22.5	ST. FRANCOIS	27	1.1
2.0	ST. LOUIS	229	9.4	24.0	STONE	26	1.1
3.0	ST. LOUIS CITY	159	6.5	25.0	BUTLER	24	1.0
4.0	GREENE	128	5.3	26.0	CALLAWAY	22	0.9
5.0	ST. CHARLES	120	4.9	27.0	LAFAYETTE	21	0.9
6.0	CLAY	111	4.6	28.5	CAMDEN	20	0.8
7.0	JEFFERSON	83	3.4	28.5	WARREN	20	0.8
8.0	JASPER	71	2.9	First Quartile			
9.0	BOONE	62	2.6	-----			
10.5	BUCHANAN	51	2.1	Second Quartile			
10.5	FRANKLIN	51	2.1	30.5	BARRY	19	0.8
12.0	PLATTE	47	1.9	30.5	COLE	19	0.8
13.0	PULASKI	45	1.9	32.0	WASHINGTON	18	0.7
14.0	CAPE GIRARDEAU	44	1.8	33.5	LACLEDE	16	0.7
15.0	TANEY	40	1.6	33.5	MORGAN	16	0.7
17.0	JOHNSON	36	1.5	35.0	MCDONALD	15	0.7
17.0	NEWTON	36	1.5	36.5	BENTON	13	0.5
17.0	PHELPS	36	1.5	36.5	SCOTT	13	0.5
19.5	CHRISTIAN	30	1.2	38.0	SALINE	12	0.5
19.5	LINCOLN	30	1.2	40.0	HENRY	11	0.5
21.0	PETTIS	29	1.2	40.0	MARION	11	0.5
22.5	CASS	27	1.1	40.0	RAY	11	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
42.5	DUNKLIN	10	0.4	82.0	ANDREW	4	0.2
42.5	HOWELL	10	0.4	82.0	GRUNDY	4	0.2
45.5	CRAWFORD	9	0.4	82.0	HOLT	4	0.2
45.5	OSAGE	9	0.4	82.0	IRON	4	0.2
45.5	RANDOLPH	9	0.4	82.0	MACON	4	0.2
45.5	WEBSTER	9	0.4	82.0	POLK	4	0.2
50.0	CARTER	8	0.3	82.0	WAYNE	4	0.2
50.0	DENT	8	0.3	Third Quartile			
50.0	MILLER	8	0.3	Fourth Quartile			
50.0	PERRY	8	0.3	90.0	CARROLL	3	0.1
50.0	STODDARD	8	0.3	90.0	CEDAR	3	0.1
56.0	ADAIR	7	0.3	90.0	CLARK	3	0.1
56.0	DALLAS	7	0.3	90.0	DE KALB	3	0.1
56.0	LAWRENCE	7	0.3	90.0	HARRISON	3	0.1
56.0	MONTGOMERY	7	0.3	90.0	LEWIS	3	0.1
56.0	PEMISCOT	7	0.3	90.0	LINN	3	0.1
56.0	RALLS	7	0.3	90.0	PIKE	3	0.1
56.0	SHANNON	7	0.3	90.0	SULLIVAN	3	0.1
Second Quartile				97.0	DADE	2	0.1
Third Quartile				97.0	DOUGLAS	2	0.1
63.5	AUDRAIN	6	0.2	97.0	MADISON	2	0.1
63.5	BOLLINGER	6	0.2	97.0	MONITEAU	2	0.1
63.5	COOPER	6	0.2	97.0	PUTNAM	2	0.1
63.5	NEW MADRID	6	0.2	105.0	ATCHISON	1	0.0
63.5	NODAWAY	6	0.2	105.0	CALDWELL	1	0.0
63.5	OZARK	6	0.2	105.0	CHARITON	1	0.0
63.5	RIPLEY	6	0.2	105.0	DAVISS	1	0.0
63.5	VERNON	6	0.2	105.0	HOWARD	1	0.0
73.0	BATES	5	0.2	105.0	KNOX	1	0.0
73.0	CLINTON	5	0.2	105.0	MARIES	1	0.0
73.0	GASCONADE	5	0.2	105.0	MONROE	1	0.0
73.0	HICKORY	5	0.2	105.0	SCOTLAND	1	0.0
73.0	LIVINGSTON	5	0.2	105.0	WORTH	1	0.0
73.0	MISSISSIPPI	5	0.2	105.0	WRIGHT	1	0.0
73.0	OREGON	5	0.2	113.0	BARTON	0	0.0
73.0	REYNOLDS	5	0.2	113.0	GENTRY	0	0.0
73.0	ST. CLAIR	5	0.2	113.0	MERCER	0	0.0
73.0	STE. GENEVIEVE	5	0.2	113.0	SCHUYLER	0	0.0
73.0	TEXAS	5	0.2	113.0	SHELBY	0	0.0

TABLE 3.6.18

## 2009 MOTORCYCLE INVOLVED CRASHES

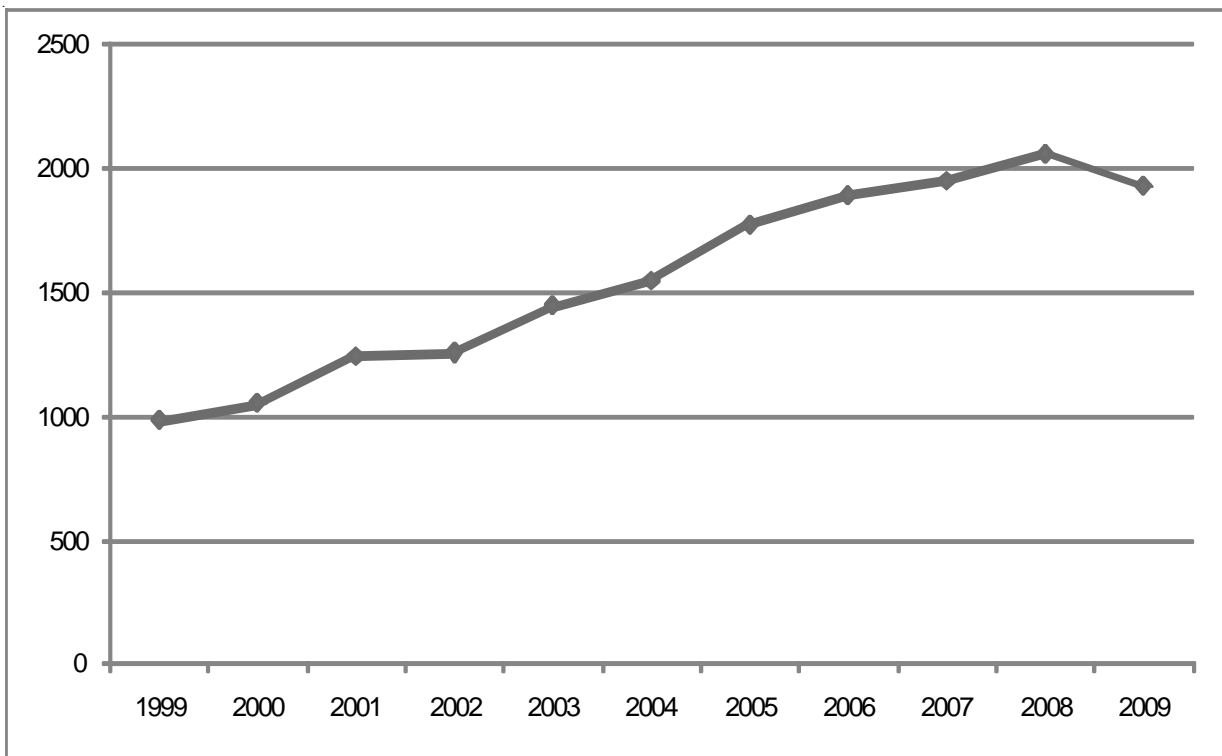
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	257	18.5
2.0	ST. LOUIS	159	11.5
3.0	SPRINGFIELD	94	6.8
4.0	ST. JOSEPH	43	3.1
5.0	COLUMBIA	39	2.8
6.0	INDEPENDENCE	38	2.7
7.0	JOPLIN	36	2.6
8.0	CAPE GIRARDEAU	31	2.2
9.0	ST. CHARLES	24	1.7
10.0	LEE'S SUMMIT	23	1.7
11.0	BLUE SPRINGS	22	1.6
12.0	ST. PETERS	19	1.4
13.0	JEFFERSON CITY	16	1.2
15.5	LIBERTY	15	1.1
15.5	ST. ROBERT	15	1.1
15.5	SEDALIA	15	1.1
15.5	WARRENSBURG	15	1.1
19.0	BRANSON	14	1.0
19.0	GLADSTONE	14	1.0
19.0	O'FALLON	14	1.0
21.0	ROLLA	13	0.9
22.0	FARMINGTON	11	0.8
24.0	FLORISSANT	10	0.7
24.0	POPLAR BLUFF	10	0.7
24.0	WEBB CITY	10	0.7
27.0	ARNOLD	9	0.6
27.0	GRANDVIEW	9	0.6
27.0	WILDWOOD	9	0.6
29.5	LEBANON	8	0.6
29.5	MARYLAND HEIGHTS	8	0.6
34.0	BRIDGETON	7	0.5
34.0	HAZELWOOD	7	0.5
34.0	KIRKWOOD	7	0.5
34.0	NIXA	7	0.5
34.0	RAYMORE	7	0.5
34.0	ST. CLAIR	7	0.5
34.0	TROY	7	0.5

<sup>1</sup>Percentage is based on motorcycle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.6.19**

**MISSOURI FATAL AND PERSONAL INJURY MOTORCYCLE INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.6.1**

### 3.7 SCHOOL BUS INVOLVEMENT

***This section presents a series of data displays which identify school bus involvement in Missouri's traffic crash experience. School bus involved traffic crashes are defined as any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash. Data displays are presented which identify characteristics of school bus drivers in these traffic crashes.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 0.7% involved a school bus. Of all fatal traffic crashes, 0.3% involved a school bus. Two people were killed and 402 were injured in school bus crashes.
- There was a decrease of 3.4% in the rate of change when comparing 2009 school bus traffic crashes with those in 2008.
- In 2009, one person was killed or injured in a school bus crash every 46.8 hours in the State of Missouri.
- In 86.6% of the school bus traffic crashes, one or more school buses were directly involved in the incident. In 13.4% of the cases, a school bus signal was associated with the crash.
- Of all 2009 school bus crashes, the first harmful event in 73.0% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 16.7% of the cases one motor vehicle in transport struck a parked vehicle.
- Of all 2009 school bus traffic crashes, 71.1% occurred in urban areas of the State and 28.9% occurred in rural areas.
- Of all 2009 school bus traffic crashes, 62.9% occurred on a city street, 11.3% occurred on a county road, and 9.1% occurred on a state numbered road.
- Of all school bus drivers in traffic crashes, 39.2% were male and 60.8% were female. The average age of school bus drivers was 47.0 years.

## 2009 MISSOURI TRAFFIC CRASHES

### SCHOOL BUS INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED INJURED	SCHOOL BUS DRIVERS/PASSENGERS <sup>2</sup>	
										KILLED	INJURED
SCHOOL BUS INVOLVED	2	0.3	185	0.5	846	0.8	1,033	0.7	2	402	244
NO SCHOOL BUS INVOLVED	767	99.7	35,843	99.5	107,657	99.2	144,267	99.3	857	52,108	-
UNKNOWN <sup>3</sup>	17	-	971	-	6,707	-	7,695	-	19	1,319	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>244</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more school buses / signals were involved.

<sup>2</sup>This statistic indicates the number of school bus drivers and passengers in the school bus killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a school bus or no school bus signals were involved and the body type of one or more vehicles in the crash was not known.

**TABLE 3.7.1**



## DIRECT SCHOOL BUS INVOLVEMENT IN 2009 MISSOURI SCHOOL BUS CRASHES

### STATUS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
NONE INVOLVED <sup>1</sup>	0	0.0	34	18.4	104	12.3	138	13.4
1 INVOLVED	2	100.0	148	80.0	727	85.9	877	84.9
2 INVOLVED	0	0.0	3	1.6	15	1.8	18	1.7
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>185</b>	<b>100.0</b>	<b>846</b>	<b>100.0</b>	<b>1,033</b>	<b>100.0</b>

<sup>1</sup>Although a school bus was not directly involved in the traffic crash, a school bus signal was involved.

**TABLE 3.7.2**

### 2008 and 2009 SCHOOL BUS INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	1	2	+100.0
PERSONAL INJURY	182	185	+1.6
PROPERTY DAMAGE	886	846	-4.5
<b>TOTAL</b>	<b>1,069</b>	<b>1,033</b>	<b>-3.4</b>

**TABLE 3.7.3**

## 2009 SCHOOL BUS INVOLVED CRASHES

### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	1	0.1	1	0.1
BICYCLIST	0	0.0	1	0.5	0	0.0	1	0.1
FIXED OBJECT	1	50.0	18	9.7	65	7.7	84	8.1
OTHER OBJECT	0	0.0	0	0.0	3	0.4	3	0.3
PEDESTRIAN	0	0.0	8	4.3	0	0.0	8	0.8
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	1	50.0	151	81.6	602	71.2	754	73.0
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.5	0	0.0	1	0.1
PARKED VEHICLE	0	0.0	5	2.7	167	19.7	172	16.7
NONCOLLISION OVERTURN	0	0.0	0	0.0	1	0.1	1	0.1
NONCOLLISION OTHER	0	0.0	1	0.5	7	0.8	8	0.8
<b>TOTAL</b>	2	100.0	185	100.0	846	100.0	1,033	100.0

**TABLE 3.7.4**

## 2009 SCHOOL BUS INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	0	0.0	135	73.0	600	70.9	735	71.1
RURAL	2	100.0	50	27.0	246	29.1	298	28.9
<b>TOTAL</b>	2	100.0	185	100.0	846	100.0	1,033	100.0

**TABLE 3.7.5**

**2009 SCHOOL BUS INVOLVED CRASHES**  
**ROAD CURVATURE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
STRAIGHT	1	50.0	159	86.0	716	86.0	876	85.9
CURVE	1	50.0	26	14.0	117	14.0	144	14.1
UNKNOWN	0	-	0	-	13	-	13	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>185</b>	<b>100.0</b>	<b>846</b>	<b>100.0</b>	<b>1,033</b>	<b>100.0</b>

**TABLE 3.7.6**

**2009 SCHOOL BUS INVOLVED CRASHES**  
**ROAD INCLINE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
LEVEL	1	50.0	125	67.9	608	73.9	734	72.8
HILL	1	50.0	51	27.7	199	24.2	251	24.9
CREST	0	0.0	8	4.4	16	1.9	24	2.4
UNKNOWN	0	-	1	-	23	-	24	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>185</b>	<b>100.0</b>	<b>846</b>	<b>100.0</b>	<b>1,033</b>	<b>100.0</b>

**TABLE 3.7.7**

## 2009 SCHOOL BUS INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	2	100.0	139	75.5	657	78.6	798	78.1
WET	0	0.0	39	21.2	155	18.5	194	19.0
SNOW	0	0.0	3	1.6	8	1.0	11	1.1
ICE	0	0.0	1	0.5	15	1.8	16	1.6
SLUSH	0	0.0	1	0.5	1	0.1	2	0.2
MUD	0	0.0	1	0.5	0	0.0	1	0.1
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	1	-	10	-	11	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>185</b>	<b>100.0</b>	<b>846</b>	<b>100.0</b>	<b>1,033</b>	<b>100.0</b>

**TABLE 3.7.8**

## 2009 SCHOOL BUS INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	10	5.4	25	3.0	35	3.4
U.S. HIGHWAY	1	50.0	13	7.0	34	4.0	48	4.7
STATE NUMBERED	0	0.0	25	13.5	69	8.2	94	9.1
SINGLE STATE LETTERED	0	0.0	7	3.8	29	3.4	36	3.5
DOUBLE STATE LETTERED	1	50.0	3	1.6	11	1.3	15	1.5
OUTER ROAD	0	0.0	1	0.5	5	0.6	6	0.6
COUNTY ROAD	0	0.0	17	9.2	100	11.8	117	11.3
CITY STREET	0	0.0	108	58.4	542	64.1	650	62.9
INTERSTATE LOOP	0	0.0	0	0.0	2	0.2	2	0.2
OTHER <sup>1</sup>	0	0.0	1	0.5	29	3.4	30	2.9
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>185</b>	<b>100.0</b>	<b>846</b>	<b>100.0</b>	<b>1,033</b>	<b>100.0</b>

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.7.9**

# 2009 SCHOOL BUS INVOLVED CRASHES

## HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL					
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%
INTERSTATE	0	0.0	9	6.7	19	3.2	28	3.8	1	2.0	6	2.4
U.S. HIGHWAY	0	0.0	5	3.7	18	3.0	23	3.1	8	16.0	16	6.5
STATE NUMBERED	0	0.0	13	9.6	37	6.2	50	6.8	12	24.0	32	13.0
SINGLE STATE LETTERED	0	0.0	1	0.7	7	1.2	8	1.1	6	12.0	22	8.9
DOUBLE STATE LETTERED	0	0.0	2	1.5	3	0.5	5	0.7	1	2.0	8	3.3
OUTER ROAD	0	0.0	0	0.0	2	0.3	2	0.3	1	2.0	3	1.2
COUNTY ROAD	0	0.0	2	1.5	13	2.2	15	2.0	15	30.0	87	35.4
CITY STREET	0	0.0	102	75.6	483	80.5	585	79.6	6	12.0	59	24.0
INTERSTATE LOOP	0	0.0	0	0.0	1	0.2	1	0.1	0	0.0	1	0.4
OTHER <sup>1</sup>	0	0.0	1	0.7	17	2.8	18	2.5	0	0.0	12	4.9
<b>TOTAL</b>	0	100.0	135	100.0	600	100.0	735	100.0	50	100.0	246	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.7.10**

**2009 MISSOURI SCHOOL BUS INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	106	10.3
FEBRUARY	100	9.7
MARCH	88	8.5
APRIL	103	10.0
MAY	112	10.8
JUNE	45	4.4
JULY	22	2.1
AUGUST	61	5.9
SEPTEMBER	116	11.2
OCTOBER	118	11.4
NOVEMBER	86	8.3
DECEMBER	76	7.4
<b>TOTAL</b>	1,033	100.0

**TABLE 3.7.11****2009 MISSOURI SCHOOL BUS INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	13	1.3
MONDAY	186	18.0
TUESDAY	229	22.2
WEDNESDAY	184	17.8
THURSDAY	196	19.0
FRIDAY	207	20.0
SATURDAY	18	1.7
<b>TOTAL</b>	1,033	100.0

**TABLE 3.7.12**

## 2009 MISSOURI SCHOOL BUS INVOLVED CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	4	0.4
01:00A - 01:59A	2	0.2
02:00A - 02:59A	1	0.1
03:00A - 03:59A	1	0.1
04:00A - 04:59A	2	0.2
05:00A - 05:59A	2	0.2
06:00A - 06:59A	79	7.7
07:00A - 07:59A	162	15.8
08:00A - 08:59A	120	11.7
09:00A - 09:59A	24	2.3
10:00A - 10:59A	17	1.7
11:00A - 11:59A	26	2.5
NOON - 12:59P	25	2.4
01:00P - 01:59P	31	3.0
02:00P - 02:59P	111	10.8
03:00P - 03:59P	205	19.9
04:00P - 04:59P	138	13.4
05:00P - 05:59P	42	4.1
06:00P - 06:59P	13	1.3
07:00P - 07:59P	7	0.7
08:00P - 08:59P	6	0.6
09:00P - 09:59P	3	0.3
10:00P - 10:59P	3	0.3
11:00P - MIDNIGHT	4	0.4
UNKNOWN	5	0.2
<b>TOTAL</b>	1,033	100.0

**TABLE 3.7.13**

## 2009 MISSOURI SCHOOL BUS CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL SCHOOL BUS CRASHES = 2				TOTAL SCHOOL BUS CRASHES = 1,033		
	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	1.1	1.8	2.9
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.2	0.5	0.7
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	0.0	0.0	2.2	6.3	8.4
IMPROPER PASSING	0.0	0.0	0.0	1.3	2.3	3.5
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.6	2.4	3.0
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.3	1.1	1.4
FOLLOWING TOO CLOSE	0.0	0.0	0.0	2.9	12.2	15.0
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER BACKING	0.0	0.0	0.0	3.0	1.8	4.8
IMPROPER TURN	0.0	0.0	0.0	6.0	1.3	7.2
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	4.1	4.9	8.6
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.3	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	1.7	1.7
FAILED TO YIELD	0.0	50.0	50.0	4.6	7.4	12.0
DRINKING	0.0	0.0	0.0	0.0	0.6	0.6
DRUGS	0.0	0.0	0.0	0.0	0.4	0.4
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.4	0.7	1.1
INATTENTION	0.0	50.0	50.0	17.0	18.6	34.7

<sup>1</sup>This table identifies the percentage of school bus crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the school bus driver or the school bus as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri school bus crashes, it was found that a school bus driver was speeding in 2.2% of the crashes. In 6.3% of the crashes another driver was speeding. In 8.4% of the crashes either a school bus driver, another driver, or both drivers were speeding.

**TABLE 3.7.14**



### SCHOOL BUSES IN 2009 MISSOURI CRASHES

#### DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	3	2.0	16	2.1	19	2.1
KNOWN DRIVER INVOLVED	2	100.0	150	97.4	711	94.4	863	94.4
UNKNOWN DRIVER INVOLVED	0	0.0	1	0.7	31	3.5	32	3.5
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>154</b>	<b>100.0</b>	<b>758</b>	<b>100.0</b>	<b>914</b>	<b>100.0</b>

**TABLE 3.7.15**

### DRIVERS OF SCHOOL BUSES IN 2009 MISSOURI CRASHES

#### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	1	50.0	53	35.3	284	39.9	338	39.2
FEMALE	1	50.0	97	64.7	427	60.1	525	60.8
UNKNOWN	0	-	1	-	31	-	32	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>151</b>	<b>100.0</b>	<b>742</b>	<b>100.0</b>	<b>895</b>	<b>100.0</b>

**TABLE 3.7.16**

# DRIVERS OF SCHOOL BUSES IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	44.5	-	46.3	-	47.1	-	47.0	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	1	0.7	8	1.1	9	1.0
21 - 25 YEARS	0	0.0	8	5.3	27	3.8	35	4.1
26 - 30 YEARS	0	0.0	12	8.0	56	7.9	68	7.9
31 - 35 YEARS	1	50.0	13	8.7	59	8.3	73	8.5
36 - 40 YEARS	0	0.0	21	14.0	81	11.4	102	11.8
41 - 45 YEARS	0	0.0	21	14.0	89	12.5	110	12.8
46 - 50 YEARS	0	0.0	19	12.7	113	15.9	132	15.3
51 - 55 YEARS	1	50.0	15	10.0	75	10.6	91	10.6
56 - 60 YEARS	0	0.0	13	8.7	56	7.9	69	8.0
61 - 65 YEARS	0	0.0	13	8.7	84	11.8	97	11.3
66 YEARS AND OVER	0	0.0	14	9.3	62	8.7	76	8.8
UNKNOWN	0	-	1	-	32	-	33	-
<b>TOTAL</b>	2	100.0	151	100.0	742	100.0	895	100.0

**TABLE 3.7.17**

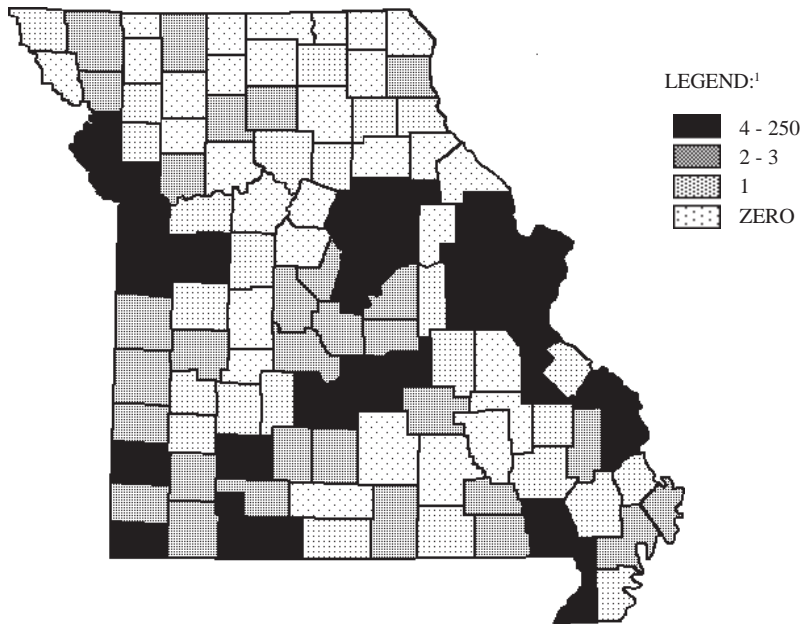
**DRIVERS OF SCHOOL BUSES IN 2009 MISSOURI CRASHES**  
**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	19	12.7	123	17.5	142	16.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	100.0	126	84.0	549	77.9	677	79.0
SUBTOTAL	2	100.0	145	96.7	672	95.4	819	95.6
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	1	0.7	2	0.3	3	0.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	4	2.7	28	4.0	32	3.7
SUBTOTAL	0	0.0	5	3.4	30	4.3	35	4.1
UNLICENSED	0	0.0	0	0.0	3	0.4	3	0.4
UNKNOWN	0	-	1	-	37	-	38	-
<b>TOTAL</b>	2	100.0	151	100.0	742	100.0	895	100.0

**TABLE 3.7.18**

## 2009 SCHOOL BUS INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	250	24.2	27.0	AUDRAIN	4	0.4
2.0	ST. LOUIS	226	21.9	27.0	DUNKLIN	4	0.4
3.0	JACKSON	114	11.0	27.0	JOHNSON	4	0.4
4.0	ST. CHARLES	57	5.5	27.0	MCDONALD	4	0.4
5.0	GREENE	42	4.1	27.0	PERRY	4	0.4
6.0	JEFFERSON	34	3.3	27.0	PHELPS	4	0.4
7.0	CLAY	31	3.0	27.0	PULASKI	4	0.4
8.0	BOONE	21	2.0	First Quartile			
9.0	JASPER	20	1.9				
10.0	PLATTE	16	1.5	Second Quartile			
11.0	CASS	13	1.3	36.0	ANDREW	3	0.3
12.0	FRANKLIN	12	1.2	36.0	BARRY	3	0.3
13.0	COLE	10	1.0	36.0	CAMDEN	3	0.3
14.5	BUCHANAN	8	0.8	36.0	HOWELL	3	0.3
14.5	ST. FRANCOIS	8	0.8	36.0	LAWRENCE	3	0.3
17.0	BUTLER	7	0.7	36.0	LIVINGSTON	3	0.3
17.0	CAPE GIRARDEAU	7	0.7	36.0	MILLER	3	0.3
17.0	WARREN	7	0.7	36.0	NEWTON	3	0.3
19.0	CALLAWAY	6	0.6	36.0	OSAGE	3	0.3
21.5	LACLEDE	5	0.5	36.0	VERNON	3	0.3
21.5	LINCOLN	5	0.5	36.0	WEBSTER	3	0.3
21.5	STONE	5	0.5	51.0	BARTON	2	0.2
21.5	TANEY	5	0.5	51.0	BATES	2	0.2

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
51.0	BOLLINGER	2	0.2	73.0	RANDOLPH	1	0.1
51.0	CARTER	2	0.2	73.0	STE. GENEVIEVE	1	0.1
51.0	CHRISTIAN	2	0.2	73.0	SCOTT	1	0.1
51.0	DENT	2	0.2	73.0	SHELBY	1	0.1
51.0	HARRISON	2	0.2	73.0	STODDARD	1	0.1
51.0	LEWIS	2	0.2	73.0	WAYNE	1	0.1
51.0	LINN	2	0.2				
51.0	MARIES	2	0.2				
51.0	MISSISSIPPI	2	0.2				
51.0	MONITEAU	2	0.2				
51.0	MORGAN	2	0.2				
51.0	NEW MADRID	2	0.2				
51.0	NODAWAY	2	0.2				
51.0	RAY	2	0.2				
51.0	RIPLEY	2	0.2				
51.0	ST. CLAIR	2	0.2				
51.0	WRIGHT	2	0.2				

## 2009 SCHOOL BUS INVOLVED CRASHES

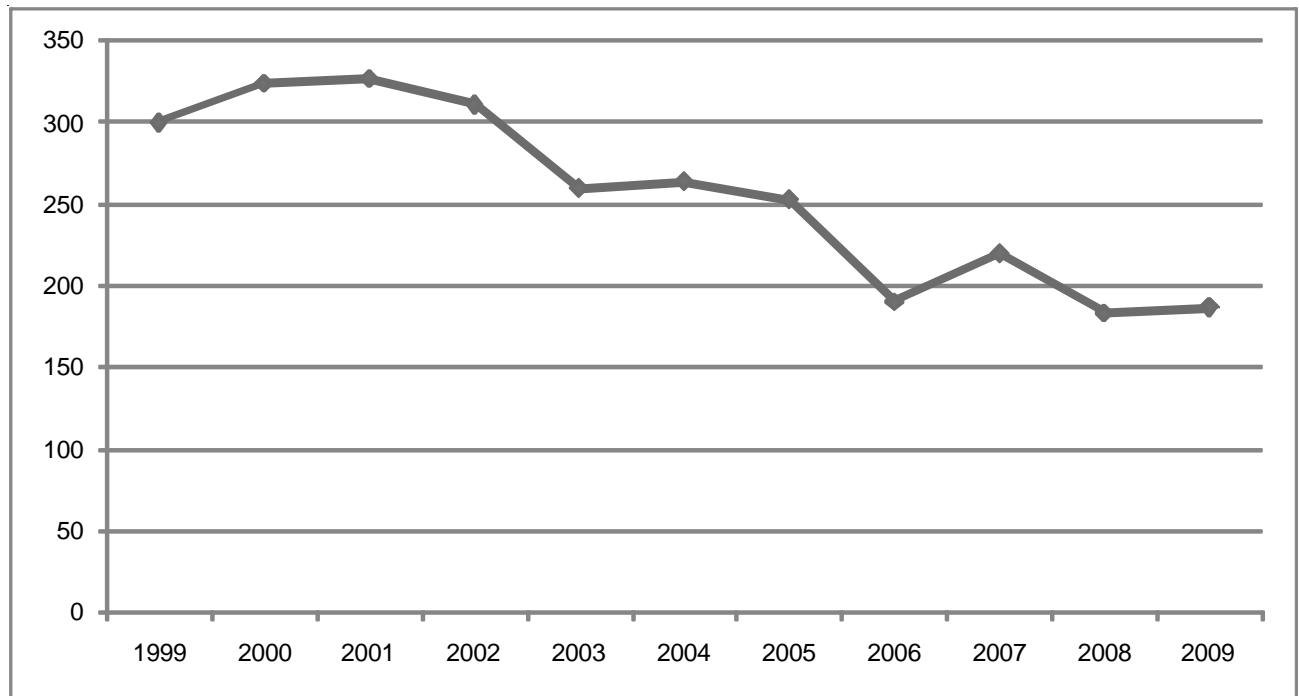
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	ST. LOUIS	250	31.0
2.0	KANSAS CITY	91	11.3
3.0	SPRINGFIELD	33	4.1
4.0	COLUMBIA	19	2.4
5.0	O'FALLON	17	2.1
6.0	INDEPENDENCE	13	1.6
7.0	ST. PETERS	11	1.4
8.0	FLORISSANT	10	1.2
10.0	JEFFERSON CITY	9	1.1
10.0	JOPLIN	9	1.1
10.0	LEE'S SUMMIT	9	1.1
13.5	BLUE SPRINGS	8	1.0
13.5	FERGUSON	8	1.0
13.5	ST. CHARLES	8	1.0
13.5	WILDWOOD	8	1.0
18.0	CHESTERFIELD	7	0.9
18.0	CREVE COEUR	7	0.9
18.0	OVERLAND	7	0.9
18.0	ST. ANN	7	0.9
18.0	ST. JOSEPH	7	0.9
22.0	BRIDGETON	6	0.7
22.0	HAZELWOOD	6	0.7
22.0	RAYTOWN	6	0.7
28.5	BELTON	5	0.6
28.5	BERKELEY	5	0.6
28.5	ELLISVILLE	5	0.6
28.5	EXCELSIOR SPRINGS	5	0.6
28.5	LEBANON	5	0.6
28.5	LIBERTY	5	0.6
28.5	MARYLAND HEIGHTS	5	0.6
28.5	NORMANDY	5	0.6
28.5	TOWN AND COUNTRY	5	0.6
28.5	WEBSTER GROVES	5	0.6
36.5	CAPE GIRARDEAU	4	0.5
36.5	EUREKA	4	0.5
36.5	GLADSTONE	4	0.5
36.5	KIRKWOOD	4	0.5
36.5	POPLAR BLUFF	4	0.5
36.5	UNIVERSITY CITY	4	0.5

<sup>1</sup>Percentage is based on school bus involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.7.20**

**MISSOURI FATAL AND PERSONAL INJURY SCHOOL BUS INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.7.1**

### 3.8 BICYCLE INVOLVEMENT

***This section presents a series of data displays which identify bicycle involvement in Missouri's traffic crash experience. Bicycle involved traffic crashes are defined as any crash in which one or more bicycles were directly involved in the incident. Data displays also are provided which describe characteristics of the bicyclist as well as other drivers and vehicles in the traffic crash.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 0.5% involved a bicycle. Of all fatal traffic crashes, 0.3% involved a bicycle. Two people were killed and 596 were injured in these traffic crashes.
- There was an increase of 14.3% in the rate of change when comparing total 2009 bicycle-related traffic crashes with those in 2008.
- In 2009, one person was killed or injured in a bicycle traffic crash every 15.1 hours in the State of Missouri.
- Of all 2009 bicycle traffic crashes, 80.9% occurred in an urban area and 19.1% occurred in a rural area of the State.
- Of all 2009 bicycle traffic crashes, 74.8% occurred on a city street.
- Of all 2009 bicycle traffic crashes, 79.8% occurred from April through October.
- Of all bicycle drivers in traffic crashes, 82.3% were male and 17.7% were female. The average age of bicycle drivers was 27.1 years.
- Of all other types of vehicles in bicycle crashes, 64.3% were automobiles, 14.5 were sport utility vehicles and 11.7% were pickup trucks.



# 2009 MISSOURI TRAFFIC CRASHES

## BICYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL KILLED	TOTAL NUMBER <sup>1</sup> INJURED	BICYCLE DRIVERS/PASSENGERS <sup>2</sup>	
											KILLED	INJURED
BICYCLE INVOLVED	2	0.3	579	1.6	132	0.1	713	0.5	2	596	2	582
NO BICYCLE INVOLVED	776	99.7	36,267	98.4	111,259	99.9	148,302	99.5	868	53,026	-	-
UNKNOWN <sup>3</sup>	8	-	153	-	3,819	-	3,980	-	8	207	-	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>	<b>2</b>	<b>582</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more bicycles were involved.

<sup>2</sup>This statistic indicates the number of bicycle drivers and passengers killed and injured.

<sup>3</sup>Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a bicycle and the body type of one or more vehicles involved in the accident was not known.

**TABLE 3.8.1**

### 2008 and 2009 BICYCLE INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	2	2	=0.0
PERSONAL INJURY	517	579	+12.0
PROPERTY DAMAGE	105	132	+25.7
TOTAL	624	713	+14.3

**TABLE 3.8.2**

### 2009 BICYCLE INVOLVED CRASHES

#### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	2	100.0	466	80.5	109	82.6	577	80.9
RURAL	0	0.0	113	19.5	23	17.4	136	19.1
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>579</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>713</b>	<b>100.0</b>

**TABLE 3.8.3**

### 2009 BICYCLE INVOLVED CRASHES

#### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	2	100.0	548	95.3	123	93.9	673	95.1
CURVE	0	0.0	27	4.7	8	6.1	35	4.9
UNKNOWN	0	-	4	-	1	-	5	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>579</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>713</b>	<b>100.0</b>

**TABLE 3.8.4**

**2009 BICYCLE INVOLVED CRASHES**

**ROAD INCLINE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
LEVEL	1	50.0	410	72.6	99	76.7	510	73.3
HILL	1	50.0	141	25.0	26	20.2	168	24.1
CREST	0	0.0	14	2.5	4	3.1	18	2.6
UNKNOWN	0	-	14	-	3	-	17	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>579</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>713</b>	<b>100.0</b>

**TABLE 3.8.5**

**2009 BICYCLE INVOLVED CRASHES**

**ROAD CONDITIONS BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
DRY	1	50.0	532	92.2	120	90.9	653	91.8
WET	1	50.0	44	7.6	12	9.1	57	8.0
SNOW	0	0.0	1	0.2	0	0.0	1	0.1
ICE	0	0.0	0	0.0	0	0.0	0	0.0
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	2	-	0	-	2	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>579</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>713</b>	<b>100.0</b>

**TABLE 3.8.6**

## 2009 BICYCLE INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	50.0	1	0.2	1	0.8	3	0.4
U.S. HIGHWAY	0	0.0	16	2.8	5	3.8	21	3.0
STATE NUMBERED	0	0.0	50	8.6	3	2.3	53	7.4
SINGLE STATE LETTERED	0	0.0	10	1.7	2	1.5	12	1.7
DOUBLE STATE LETTERED	0	0.0	8	1.4	2	1.5	10	1.4
OUTER ROAD	0	0.0	1	0.2	2	1.5	3	0.4
COUNTY ROAD	0	0.0	50	8.6	7	5.3	57	8.0
CITY STREET	1	50.0	425	73.4	107	81.1	533	74.8
INTERSTATE LOOP	0	0.0	1	0.2	0	0.0	1	0.1
OTHER <sup>1</sup>	0	0.0	17	2.9	3	2.3	20	2.8
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>579</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>713</b>	<b>100.0</b>

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.8.7**

**2009 MISSOURI BICYCLE INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	13	1.8
FEBRUARY	19	2.7
MARCH	39	5.5
APRIL	59	8.3
MAY	83	11.6
JUNE	98	13.7
JULY	87	12.2
AUGUST	85	11.9
SEPTEMBER	93	13.0
OCTOBER	65	9.1
NOVEMBER	48	6.7
DECEMBER	24	3.4
<b>TOTAL</b>	713	100.0

**TABLE 3.8.8****2009 MISSOURI BICYCLE INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	85	11.9
MONDAY	89	12.5
TUESDAY	107	15.0
WEDNESDAY	125	17.6
THURSDAY	115	16.2
FRIDAY	104	14.6
SATURDAY	87	12.2
UNKNOWN	1	--
<b>TOTAL</b>	713	100.0

**TABLE 3.8.9**

## 2009 MISSOURI BICYCLE INVOLVED CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	3	0.4
01:00A - 01:59A	2	0.3
02:00A - 02:59A	0	0.0
03:00A - 03:59A	1	0.1
04:00A - 04:59A	3	0.4
05:00A - 05:59A	4	0.6
06:00A - 06:59A	10	1.4
07:00A - 07:59A	30	4.2
08:00A - 08:59A	19	2.7
09:00A - 09:59A	17	2.4
10:00A - 10:59A	25	3.5
11:00A - 11:59A	38	5.4
NOON - 12:59P	31	4.4
01:00P - 01:59P	39	5.5
02:00P - 02:59P	59	8.3
03:00P - 03:59P	58	8.2
04:00P - 04:59P	85	12.0
05:00P - 05:59P	100	14.1
06:00P - 06:59P	61	8.6
07:00P - 07:59P	56	7.9
08:00P - 08:59P	24	3.4
09:00P - 09:59P	19	2.7
10:00P - 10:59P	14	2.0
11:00P - MIDNIGHT	11	1.6
UNKNOWN	4	--
<b>TOTAL</b>	713	100.0

**TABLE 3.8.10**

## 2009 MISSOURI BICYCLE CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL BICYCLE CRASHES = 2				TOTAL BICYCLE CRASHES = 713		
	BICYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	BICYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	3.6	0.1	3.8
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.0	0.0	0.0
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	0.0	0.0	2.2	2.5	4.8
IMPROPER PASSING	0.0	0.0	0.0	1.3	1.0	2.2
VIOLATION OF STOP SIGN	50.0	0.0	50.0	9.4	2.7	11.9
WRONG SIDE NOT PASSING	0.0	0.0	0.0	3.2	0.0	3.2
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.1	0.6	0.7
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER BACKING	0.0	0.0	0.0	0.0	0.7	0.7
IMPROPER TURN	0.0	0.0	0.0	0.8	1.4	2.2
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	6.6	1.7	8.1
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	1.0	0.0	1.0
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
FAILED TO YIELD	0.0	0.0	0.0	22.2	20.3	40.7
DRINKING	0.0	0.0	0.0	2.1	1.0	3.1
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.4	0.0	0.4
INATTENTION	0.0	0.0	0.0	20.3	20.1	35.6

<sup>1</sup>This table identifies the percentage of bicycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the bicyclist or his bicycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining driver failure to yield in 2009 Missouri bicycle crashes, it was found that a bicyclist failed to yield in 22.2% of the crashes. In 20.3% of the crashes another driver failed to yield. In 40.7% of the crashes either a bicyclist, another driver, or both drivers failed to yield.

**TABLE 3.8.11**

**BICYCLES IN 2009 MISSOURI CRASHES**

**DRIVER INVOLVEMENT BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
KNOWN DRIVER INVOLVED	2	100.0	579	99.8	119	90.1	700	98.0
UNKNOWN DRIVER INVOLVED	0	0.0	1	0.2	13	9.9	14	2.0
<b>TOTAL</b>	2	100.0	580	100.0	132	100.0	714	100.0

**TABLE 3.8.12**

**BICYCLE DRIVERS IN 2009 MISSOURI CRASHES**

**SEX OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
MALE	2	100.0	467	80.7	107	89.9	576	82.3
FEMALE	0	0.0	112	19.3	12	10.1	124	17.7
UNKNOWN	0	-	1	-	13	-	14	-
<b>TOTAL</b>	2	100.0	580	100.0	132	100.0	714	100.0

**TABLE 3.8.13**



# BICYCLE DRIVERS IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	23.5	-	27.1	-	27.4	-	27.1	-
5 YEARS AND UNDER	0	0.0	11	1.9	1	0.9	12	1.8
6 - 10 YEARS	0	0.0	70	12.3	11	10.0	81	11.9
11 - 15 YEARS	1	50.0	113	19.9	25	22.7	139	20.4
16 - 20 YEARS	0	0.0	70	12.3	13	11.8	83	12.2
21 - 25 YEARS	0	0.0	59	10.4	12	10.9	71	10.4
26 - 30 YEARS	0	0.0	42	7.4	8	7.3	50	7.3
31 - 35 YEARS	1	50.0	31	5.5	7	6.4	39	5.7
36 - 40 YEARS	0	0.0	33	5.8	5	4.6	38	5.6
41 - 45 YEARS	0	0.0	35	6.2	4	3.6	39	5.7
46 - 50 YEARS	0	0.0	35	6.2	12	10.9	47	6.9
51 - 55 YEARS	0	0.0	34	6.0	5	4.6	39	5.7
56 - 60 YEARS	0	0.0	19	3.3	3	2.7	22	3.2
61 - 65 YEARS	0	0.0	13	2.3	1	0.9	14	2.1
66 YEARS AND OVER	0	0.0	4	0.7	3	2.7	7	1.0
UNKNOWN	0	-	11	-	22	-	33	-
<b>TOTAL</b>	2	100.0	580	100.0	132	100.0	714	100.0

**TABLE 3.8.14**

**2009 BICYCLE INVOLVED CRASHES<sup>1</sup>**

**OTHER TYPES OF VEHICLES INVOLVED BY CRASH SEVERITY**

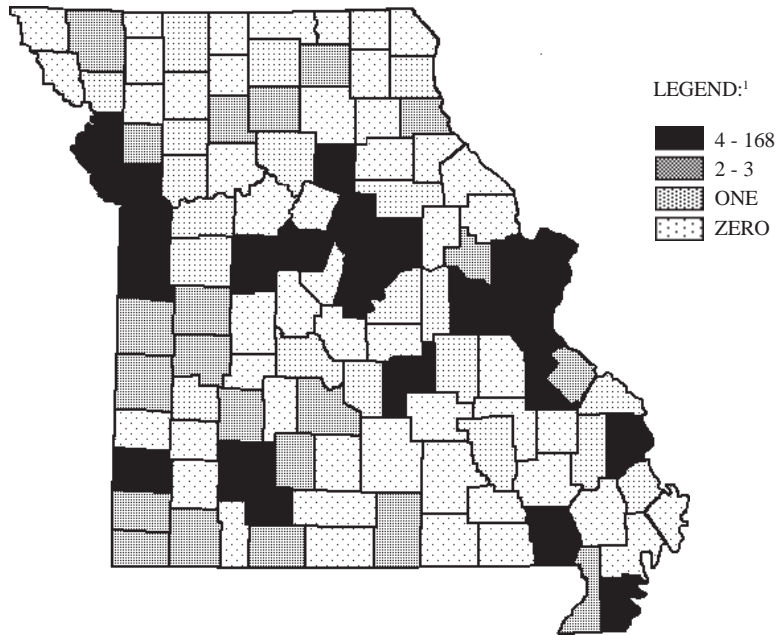
	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	0	0.0	367	63.5	91	68.9	458	64.3
SPORT UTILITY VEHICLE	0	0.0	80	13.8	23	17.4	103	14.5
LIMOUSINE	0	0.0	0	0.0	0	0.0	0	0.0
VAN	0	0.0	36	6.2	6	4.6	42	5.9
BUS	0	0.0	5	0.9	0	0.0	5	0.7
SCHOOL BUS	0	0.0	1	0.2	0	0.0	1	0.1
MOTORCYCLE	0	0.0	6	1.0	0	0.0	6	0.8
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
MOTOR HOME / CAMPER	0	0.0	0	0.0	0	0.0	0	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.2	1	0.8	2	0.3
PICKUP TRUCK	1	50.0	72	12.5	10	7.6	83	11.7
OTHER TRUCKS	1	50.0	10	1.7	1	0.8	12	1.7
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	5	-	0	-	5	-
<b>TOTAL</b>	<b>2</b>	<b>100.0</b>	<b>583</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>	<b>717</b>	<b>100.0</b>

<sup>1</sup>This table includes all vehicle types (excluding bicycles) involved in bicycle crashes.

**TABLE 3.8.15**

## 2009 BICYCLE INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	168	23.6	19.5	CALLAWAY	5	0.7
2.0	ST. LOUIS CITY	139	19.5	19.5	PETTIS	5	0.7
3.0	JACKSON	84	11.8	19.5	PHELPS	5	0.7
4.0	GREENE	58	8.1	23.0	COOPER	4	0.6
5.0	ST. CHARLES	32	4.5	23.0	PEMISCOT	4	0.6
6.0	BOONE	23	3.2	23.0	RANDOLPH	4	0.6
7.0	JASPER	20	2.8				
8.0	CLAY	14	2.0				
9.0	CAPE GIRARDEAU	12	1.7				
11.0	BUCHANAN	9	1.3				
11.0	CASS	9	1.3	28.5	ADAIR	3	0.4
11.0	CHRISTIAN	9	1.3	28.5	DUNKLIN	3	0.4
13.0	JEFFERSON	8	1.1	28.5	HOWELL	3	0.4
14.5	COLE	7	1.0	28.5	LINN	3	0.4
14.5	FRANKLIN	7	1.0	28.5	MCDONALD	3	0.4
16.5	PLATTE	6	0.8	28.5	NEWTON	3	0.4
16.5	ST. FRANCOIS	6	0.8	28.5	NODAWAY	3	0.4
19.5	BUTLER	5	0.7	28.5	TANEY	3	0.4
				39.0	BARRY	2	0.3

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.0	BATES	2	0.3	90.5	DADE	0	0.0
39.0	CLINTON	2	0.3	90.5	DALLAS	0	0.0
39.0	HENRY	2	0.3	90.5	DAVIESS	0	0.0
39.0	LACLEDE	2	0.3	90.5	DE KALB	0	0.0
39.0	LIVINGSTON	2	0.3	90.5	DENT	0	0.0
39.0	MARION	2	0.3	90.5	DOUGLAS	0	0.0
39.0	POLK	2	0.3	90.5	GENTRY	0	0.0
39.0	ST. CLAIR	2	0.3	90.5	GRUNDY	0	0.0
39.0	STE. GENEVIEVE	2	0.3	90.5	HICKORY	0	0.0
39.0	VERNON	2	0.3	90.5	HOLT	0	0.0
39.0	WARREN	2	0.3	90.5	HOWARD	0	0.0
39.0	WEBSTER	2	0.3	90.5	IRON	0	0.0
Second Quartile				90.5	KNOX	0	0.0
Third Quartile				90.5	LAWRENCE	0	0.0
55.5	ANDREW	1	0.1	90.5	LINCOLN	0	0.0
55.5	AUDRAIN	1	0.1	90.5	MACON	0	0.0
55.5	BOLLINGER	1	0.1	90.5	MADISON	0	0.0
55.5	CALDWELL	1	0.1	90.5	MARIES	0	0.0
55.5	CAMDEN	1	0.1	90.5	MERCER	0	0.0
55.5	CEDAR	1	0.1	90.5	MILLER	0	0.0
55.5	CHARITON	1	0.1	90.5	MISSISSIPPI	0	0.0
55.5	CRAWFORD	1	0.1	90.5	MONITEAU	0	0.0
55.5	GASCONADE	1	0.1	90.5	MONROE	0	0.0
55.5	HARRISON	1	0.1	90.5	MONTGOMERY	0	0.0
55.5	JOHNSON	1	0.1	90.5	MORGAN	0	0.0
55.5	LAFAYETTE	1	0.1	90.5	NEW MADRID	0	0.0
55.5	LEWIS	1	0.1	90.5	OREGON	0	0.0
55.5	OSAGE	1	0.1	90.5	OZARK	0	0.0
55.5	PERRY	1	0.1	90.5	PIKE	0	0.0
55.5	PULASKI	1	0.1	90.5	PUTNAM	0	0.0
55.5	RAY	1	0.1	90.5	RALLS	0	0.0
55.5	REYNOLDS	1	0.1	90.5	RIPLEY	0	0.0
55.5	SCOTT	1	0.1	90.5	SALINE	0	0.0
55.5	SULLIVAN	1	0.1	90.5	SCHUYLER	0	0.0
Third Quartile				90.5	SCOTLAND	0	0.0
Fourth Quartile				90.5	SHANNON	0	0.0
90.5	ATCHISON	0	0.0	90.5	SHELBY	0	0.0
90.5	BARTON	0	0.0	90.5	STODDARD	0	0.0
90.5	BENTON	0	0.0	90.5	STONE	0	0.0
90.5	CARROLL	0	0.0	90.5	TEXAS	0	0.0
90.5	CARTER	0	0.0	90.5	WASHINGTON	0	0.0
90.5	CLARK	0	0.0	90.5	WAYNE	0	0.0
				90.5	WRIGHT	0	0.0
				90.5	WORTH	0	0.0

TABLE 3.8.16

## 2009 BICYCLE INVOLVED CRASHES

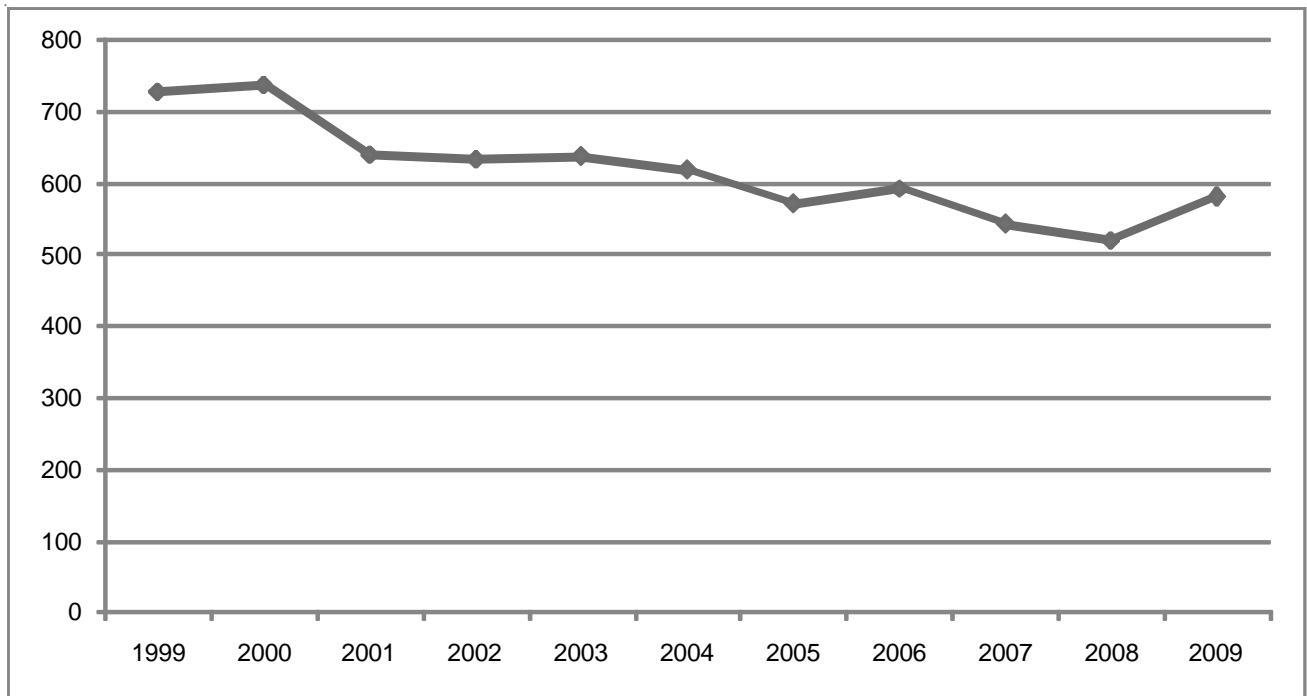
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	ST. LOUIS	139	21.0
2.0	KANSAS CITY	69	8.9
3.0	SPRINGFIELD	52	7.8
4.0	COLUMBIA	22	3.4
5.0	JOPLIN	16	2.3
6.0	CAPE GIRARDEAU	12	2.1
7.5	INDEPENDENCE	11	2.7
7.5	ST. PETERS	11	1.1
9.5	FLORISSANT	10	2.0
9.5	OVERLAND	10	0.7
11.0	ST. JOSEPH	9	1.8
13.0	HAZELWOOD	8	1.2
13.0	O'FALLON	8	1.2
13.0	UNIVERSITY CITY	8	1.4
15.0	ST. CHARLES	7	1.2
18.0	CHESTERFIELD	6	0.7
18.0	JEFFERSON CITY	6	1.1
18.0	KIRKWOOD	6	0.7
18.0	LEE'S SUMMIT	6	2.0
18.0	WILDWOOD	6	1.2
23.0	CLAYTON	5	0.9
23.0	NIXA	5	0.9
23.0	POPLAR BLUFF	5	0.9
23.0	ROLLA	5	0.9
23.0	SEDALIA	5	0.9
27.5	BLUE SPRINGS	4	0.5
27.5	CARUTHERSVILLE	4	0.5
27.5	FULTON	4	0.5
27.5	MARYLAND HEIGHTS	4	0.7
37.5	BALLWIN	3	0.7
37.5	BELTON	3	0.9
37.5	BOONVILLE	3	0.9
37.5	BRANSON	3	0.9
37.5	CREVE COEUR	3	0.9
37.5	FERGUSON	3	0.9
37.5	KIRKSVILLE	3	0.9
37.5	MARYVILLE	3	0.9
37.5	MOBERLY	3	0.5
37.5	PLEASANT HILL	3	0.5
37.5	RICHMOND HEIGHTS	3	0.5
37.5	SUNSET HILLS	3	0.5
37.5	TOWN AND COUNTRY	3	0.5
37.5	WEBB CITY	3	0.5
37.5	WENTZVILLE	3	0.5
37.5	WEST PLAINS	3	0.5

<sup>1</sup>Percentage is based on bicycle involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.8.17**

**MISSOURI FATAL AND PERSONAL INJURY BICYCLE INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.8.1**

### 3.9 PEDESTRIAN INVOLVEMENT

***This section presents a series of data displays which describe pedestrian involvement in Missouri's traffic crash experience. Pedestrian crashes are defined as any crash in which one or more pedestrians were directly involved in the incident. The pedestrian may have been involved in the first harmful event or in a secondary event associated with the traffic crash. In either case, they would be included in this analysis. Data displays also are provided which identify characteristics of the pedestrian as well as the vehicle and driver that actually struck the pedestrian.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 1.0% involved a pedestrian. Of all fatal traffic crashes, 9.0% involved a pedestrian. A total of 71 persons were killed and 1,368 were injured in traffic crashes involving a pedestrian. In these traffic crashes, 71 of the 71 persons killed were pedestrians and 1,448 of the 1,368 persons injured were pedestrians.
- There was a decrease of 1.1% in the number of pedestrian related traffic crashes when comparing 2009 with 2008. When comparing fatal pedestrian related crashes over the same time period there was a 7.6% increase between 2008 and 2009.
- In 2009, one person was killed or injured in pedestrian related traffic crashes every 6.7 hours in the State of Missouri.
- Of all 2009 pedestrian traffic crashes, 78.6% occurred in an urban area of the State and 21.4% occurred in a rural area. Of fatal pedestrian crashes, 45.1% occurred in a rural area.
- Of pedestrians in the traffic crashes, 61.8% were male and 38.2% were female. The average age of the pedestrian was 33.1 years. For those pedestrians killed the average age was 42.2 years.
- Of pedestrians 14 years and under in 2009 traffic crashes, 17.1% were crossing the street from behind a parked vehicle and 9.7% were playing in the road. Of pedestrians 15 through 64 years of age, 26.9% were crossing with no signal in the road and 5.6% were crossing the street from behind a parked vehicle. Of pedestrians 65 years and older, 4.8% were crossing the road within a marked crosswalk and also diagonally and 28.9% were crossing with no signal in the road.
- Of the drivers who struck pedestrians in 2009 traffic crashes, 54.6% were male and 45.5% were female. The average age of the driver was 38.7 years. Of the drivers who struck pedestrians, 60.0% were driving an automobile and 15.1% were driving a pickup truck.

## 2009 MISSOURI TRAFFIC CRASHES

### PEDESTRIAN INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED INJURED	PEDESTRIANS <sup>2</sup> KILLED INJURED
PEDESTRIAN INVOLVED	71	9.0	1,230	3.3	147	0.1	1,448	1.0	71	1,448
NO PEDESTRIAN INVOLVED	715	91.0	35,769	96.7	114,834	99.9	151,318	99.0	807	-
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>114,981</b>	<b>100.0</b>	<b>152,766</b>	<b>100.0</b>	<b>878</b>	<b>1,448</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where one or more pedestrians were involved.

<sup>2</sup>This statistic indicates the number of pedestrians killed and injured.

**TABLE 3.9.1**



### 2008 and 2009 PEDESTRIAN INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	66	71	+7.6
PERSONAL INJURY	1,265	1,230	- 2.8
PROPERTY DAMAGE	133	147	+10.5
TOTAL	1,464	1,448	-1.1

**TABLE 3.9.2**

### 2009 PEDESTRIAN INVOLVED CRASHES

#### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	39	54.9	986	80.2	113	76.9	1,138	78.6
RURAL	32	45.1	244	19.8	34	23.1	310	21.4
<b>TOTAL</b>	<b>71</b>	<b>100.0</b>	<b>1,230</b>	<b>100.0</b>	<b>147</b>	<b>100.0</b>	<b>1,448</b>	<b>100.0</b>

**TABLE 3.9.3**

### 2009 PEDESTRIAN INVOLVED CRASHES

#### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	61	85.9	1,147	94.8	134	91.8	1,342	94.0
CURVE	10	14.1	63	5.2	12	8.2	85	6.0
UNKNOWN	0	-	20	-	1	-	21	-
<b>TOTAL</b>	<b>71</b>	<b>100.0</b>	<b>1,230</b>	<b>100.0</b>	<b>147</b>	<b>100.0</b>	<b>1,448</b>	<b>100.0</b>

**TABLE 3.9.4**

**2009 PEDESTRIAN INVOLVED CRASHES**

**ROAD INCLINE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
LEVEL	42	59.2	938	78.0	122	84.7	1,102	77.8
HILL	28	39.4	244	20.3	21	14.6	293	20.7
CREST	1	1.4	20	1.7	1	0.7	22	1.6
UNKNOWN	0	-	28	-	3	-	31	-
<b>TOTAL</b>	71	100.0	1,230	100.0	147	100.0	1,448	100.0

**TABLE 3.9.5**

**2009 PEDESTRIAN INVOLVED CRASHES**

**ROAD CONDITIONS BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
DRY	58	82.9	1,023	84.2	124	84.9	1,205	84.2
WET	10	14.3	162	13.3	20	13.7	192	13.4
SNOW	1	1.4	18	1.5	2	1.4	21	1.5
ICE	1	1.4	9	0.7	0	0.0	10	0.7
SLUSH	0	0.0	2	0.2	0	0.0	2	0.1
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	1	0.1	0	0.0	1	0.1
UNKNOWN	1	-	15	-	1	-	17	-
<b>TOTAL</b>	71	100.0	1,230	100.0	147	100.0	1,448	100.0

**TABLE 3.9.6**

**2009 PEDESTRIAN INVOLVED CRASHES**

**HIGHWAY CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
INTERSTATE	14	19.7	34	2.8	2	1.4	50	3.5
U.S. HIGHWAY	10	14.1	49	4.0	4	2.7	63	4.4
STATE NUMBERED	10	14.1	76	6.2	7	4.8	93	6.4
SINGLE STATE LETTERED	6	8.5	19	1.5	6	4.1	31	2.1
DOUBLE STATE LETTERED	2	2.8	12	1.0	2	1.4	16	1.1
OUTER ROAD	1	1.4	8	0.7	0	0.0	9	0.6
COUNTY ROAD	3	4.2	75	6.1	8	5.4	86	5.9
CITY STREET	22	31.1	880	71.5	114	77.6	1,016	70.2
INTERSTATE LOOP	2	2.8	1	0.1	0	0.0	3	0.2
OTHER <sup>1</sup>	1	1.4	76	6.2	4	2.7	81	5.6
<b>TOTAL</b>	<b>71</b>	<b>100.0</b>	<b>1,230</b>	<b>100.0</b>	<b>147</b>	<b>100.0</b>	<b>1,448</b>	<b>100.0</b>

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.9.7**

# 2009 PEDESTRIAN INVOLVED CRASHES

## HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	9	23.1	22	2.2	2	1.8	33	2.9	5	15.6	12	4.9	0	0.0	17	5.5
U.S. HIGHWAY	6	15.4	30	3.0	2	1.8	38	3.3	4	12.5	19	7.8	2	5.9	25	8.1
STATE NUMBERED	4	10.3	35	3.6	1	0.9	40	3.5	6	18.8	41	16.8	6	17.7	53	17.1
SINGLE STATE LETTERED	1	2.6	7	0.7	2	1.8	10	0.9	5	15.6	12	4.9	4	11.8	21	6.8
DOUBLE STATE LETTERED	0	0.0	5	0.5	0	0.0	5	0.4	2	6.3	7	2.9	2	5.9	11	3.6
OUTER ROAD	0	0.0	6	0.6	0	0.0	6	0.5	1	3.1	2	0.8	0	0.0	3	1.0
COUNTY ROAD	0	0.0	4	0.4	1	0.9	5	0.4	3	9.4	71	29.1	7	20.6	81	26.1
CITY STREET	18	46.2	817	82.9	102	90.3	937	82.3	4	12.5	63	25.8	12	35.3	79	25.5
INTERSTATE LOOP	0	0.0	1	0.1	0	0.0	1	0.1	2	6.3	0	0.0	0	0.0	2	0.7
OTHER <sup>1</sup>	1	2.6	59	6.0	3	2.7	63	5.5	0	0.0	17	7.0	1	2.9	18	5.8
TOTAL	39	100.0	986	100.0	113	100.0	1,138	100.0	32	100.0	244	100.0	34	100.0	310	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.9.8**

**2009 MISSOURI PEDESTRIAN INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	117	8.1
FEBRUARY	99	6.8
MARCH	100	6.9
APRIL	96	6.6
MAY	142	9.8
JUNE	125	8.6
JULY	108	7.5
AUGUST	118	8.2
SEPTEMBER	138	9.5
OCTOBER	148	10.2
NOVEMBER	124	8.6
DECEMBER	133	9.2
<b>TOTAL</b>	1,448	100.0

**TABLE 3.9.9**

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**2009 MISSOURI PEDESTRIAN INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	162	11.2
MONDAY	198	13.7
TUESDAY	189	13.1
WEDNESDAY	188	13.0
THURSDAY	230	15.9
FRIDAY	261	18.0
SATURDAY	219	15.1
UNKNOWN	1	--
<b>TOTAL</b>	1,448	100.0

**TABLE 3.9.10**

## 2009 MISSOURI PEDESTRIAN INVOLVED CRASHES

### HOUR OF DAY

hour	frequency	percent
12:01A - 12:59A	34	2.4
01:00A - 01:59A	37	2.6
02:00A - 02:59A	21	1.5
03:00A - 03:59A	12	0.8
04:00A - 04:59A	17	1.2
05:00A - 05:59A	13	0.9
06:00A - 06:59A	32	2.2
07:00A - 07:59A	60	4.2
08:00A - 08:59A	43	3.0
09:00A - 09:59A	44	3.1
10:00A - 10:59A	37	2.6
11:00A - 11:59A	59	4.1
NOON - 12:59P	74	5.2
01:00P - 01:59P	57	3.9
02:00P - 02:59P	82	5.7
03:00P - 03:59P	103	7.2
04:00P - 04:59P	93	6.5
05:00P - 05:59P	133	9.3
06:00P - 06:59P	111	7.7
07:00P - 07:59P	103	7.2
08:00P - 08:59P	79	5.5
09:00P - 09:59P	77	5.4
10:00P - 10:59P	71	4.9
11:00P - MIDNIGHT	46	3.2
UNKNOWN	10	--
<b>TOTAL</b>	<b>1,448</b>	<b>100.0</b>

**TABLE 3.9.11**

## 2009 MISSOURI PEDESTRIAN CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL PEDESTRIAN CRASHES = 71				TOTAL PEDESTRIAN CRASHES = 1,448		
	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL FATAL	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL CRASHES
VEHICLE DEFECTS	0.0	1.4	1.4	0.0	1.6	1.6
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	4.2	4.2	0.0	1.0	1.0
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	12.7	12.7	0.0	9.7	9.7
IMPROPER PASSING	0.0	0.0	0.0	0.0	0.9	0.9
VIOLATION OF STOP SIGN	0.0	2.8	2.8	0.0	1.7	1.7
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.0	0.3	0.3
FOLLOWING TOO CLOSE	0.0	1.4	1.4	0.0	0.3	0.3
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	0.0	3.0	3.0
IMPROPER TURN	0.0	0.0	0.0	0.0	1.2	1.2
IMPROPER LANE USAGE / CHANGE	0.0	2.8	2.8	0.0	3.3	3.3
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.7	0.7
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	1.2	1.2
FAILED TO YIELD	22.5	4.2	26.8	18.7	15.2	32.9
DRINKING	22.5	7.0	26.8	7.4	3.0	9.7
DRUGS	4.2	0.0	4.2	1.0	0.6	1.5
PHYSICAL IMPAIRMENT	5.6	0.0	5.6	1.3	1.2	2.5
INATTENTION	33.8	21.1	50.7	25.3	25.1	44.8

<sup>1</sup>This table identifies the percentage of pedestrian crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the pedestrian as well as those attributed to other drivers and vehicles in the crash. For instance, when examining drinking involvement in 2009 Missouri fatal pedestrian crashes, it was found that a pedestrian was drinking in 22.5% of the crashes. In 7.0% of the crashes a driver was drinking. In 26.8% of the crashes either a pedestrian, a driver, or both were drinking.

**TABLE 3.9.12**

**PEDESTRIANS IN 2009 MISSOURI CRASHES**

**SEX OF PEDESTRIAN BY PERSONAL INJURY SEVERITY**

	<b>KILLED</b>	<b>%</b>	<b>INJURED</b>	<b>%</b>	<b>NOT INJURED / INJURY UNK.</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
MALE	55	77.5	781	61.4	104	58.8	940	61.8
FEMALE	16	22.5	492	38.7	73	41.2	581	38.2
UNKNOWN	0	-	1	-	2	-	3	-
<b>TOTAL</b>	<b>71</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>	<b>179</b>	<b>100.0</b>	<b>1,524</b>	<b>100.0</b>

**TABLE 3.9.13**

**PEDESTRIANS IN 2009 MISSOURI CRASHES**

**AGE OF PEDESTRIAN BY PERSONAL INJURY SEVERITY**

	<b>KILLED</b>	<b>%</b>	<b>INJURED</b>	<b>%</b>	<b>NOT INJURED / INJURY UNK.</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>AVERAGE AGE OF PEDESTRIAN</b>	<b>42.2</b>	<b>-</b>	<b>33.0</b>	<b>-</b>	<b>29.8</b>	<b>-</b>	<b>33.1</b>	<b>-</b>
4 YEARS AND UNDER	3	4.2	34	2.8	9	5.7	46	3.1
5 - 9 YEARS	4	5.6	101	8.2	15	9.5	120	8.2
10 - 14 YEARS	0	0.0	99	8.0	11	7.0	110	7.5
15 - 19 YEARS	2	2.8	173	14.0	25	15.8	200	13.6
20 - 24 YEARS	6	8.5	109	8.8	16	10.1	131	8.9
25 - 29 YEARS	7	9.9	107	8.6	9	5.7	123	8.4
30 - 34 YEARS	3	4.2	75	6.1	12	7.6	90	6.1
35 - 39 YEARS	8	11.3	88	7.1	9	5.7	105	7.2
40 - 44 YEARS	6	8.5	80	6.5	18	11.4	104	7.1
45 - 49 YEARS	7	9.9	91	7.4	6	3.8	104	7.1
50 - 54 YEARS	5	7.0	80	6.5	7	4.4	92	6.3
55 - 59 YEARS	3	4.2	66	5.3	9	5.7	78	5.3
60 - 64 YEARS	5	7.0	54	4.4	7	4.4	66	4.5
65 YEARS AND OVER	12	16.9	81	6.5	5	3.2	98	6.7
UNKNOWN	0	-	36	-	21	-	57	-
<b>TOTAL</b>	<b>71</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>	<b>179</b>	<b>100.0</b>	<b>1,524</b>	<b>100.0</b>

**TABLE 3.9.14**



**PEDESTRIANS IN 2009 MISSOURI CRASHES**

**PEDESTRIAN ACTIONS BY AGE GROUP**

	<b>00 - 14 YEARS</b>	<b>%</b>	<b>15 - 64 YEARS</b>	<b>%</b>	<b>65 YEARS AND OVER</b>	<b>%</b>	<b>UN- KNOWN</b>	<b>TOTAL</b>	<b>%</b>
CROSSING - WITH SIGNAL	10	3.9	75	7.7	10	12.1	1	96	7.1
CROSSING - AGAINST SIGNAL	10	3.9	35	3.6	4	4.8	3	52	3.9
CROSSING - NO SIGNAL	95	37.0	261	26.9	24	28.9	14	394	29.1
CROSSING - DIAGONALLY	15	5.8	58	6.0	4	4.8	2	79	5.8
CROSSING - WITHIN CROSSWALK	11	4.3	86	8.9	4	4.8	5	106	7.8
CROSSING - WITHIN MARKED CROSSWALK	4	1.6	36	3.7	9	10.8	3	52	3.9
FROM BEHIND PARKED VEHICLE	44	17.1	54	5.6	5	6.0	0	103	7.6
WALKING WITH TRAFFIC	11	4.3	59	6.1	3	3.6	0	73	5.4
WALKING AGAINST TRAFFIC	16	6.2	50	5.2	4	4.8	2	72	5.3
GETTING ON / OFF VEHICLE	3	1.2	33	3.4	1	1.2	1	38	2.8
STANDING / LYING / SITTING IN ROAD	7	2.7	114	11.7	5	6.0	4	130	9.6
PUSHING / WORKING ON VEHICLE	0	0.0	18	1.9	1	1.2	0	19	1.4
OTHER WORK IN ROAD	1	0.4	26	2.7	2	2.4	2	31	2.3
PLAYING IN ROAD	25	9.7	7	0.7	0	0.0	1	33	2.4
NOT IN ROAD	5	2.0	59	6.1	7	8.4	3	74	5.5
UNKNOWN	19	-	122	-	15	-	16	172	-
<b>TOTAL</b>	276	100.0	1,093	100.0	98	100.0	57	1,524	100.0

**TABLE 3.9.15**

## DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2009 MISSOURI CRASHES

### SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	37	62.7	509	53.5	60	59.4	606	54.6
FEMALE	22	37.3	442	46.5	41	40.6	505	45.5
UNKNOWN	10	-	220	-	37	-	267	-
<b>TOTAL</b>	69	100.0	1,171	100.0	138	100.0	1,378	100.0

TABLE 3.9.16

## DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2009 MISSOURI CRASHES

### AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	37.7	-	38.8	-	39.3	-	38.7	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	7	11.9	151	16.1	9	9.1	167	15.2
21 - 25 YEARS	10	17.0	122	13.0	12	12.1	144	13.1
26 - 30 YEARS	5	8.5	91	9.7	5	5.1	101	9.2
31 - 35 YEARS	3	5.1	69	7.3	9	9.1	81	7.4
36 - 40 YEARS	3	5.1	82	8.7	6	6.1	91	8.3
41 - 45 YEARS	9	15.3	84	8.9	7	7.1	100	9.1
46 - 50 YEARS	7	11.9	62	6.6	9	9.1	78	7.1
51 - 55 YEARS	3	5.1	74	7.9	11	11.1	88	8.0
56 - 60 YEARS	4	6.8	54	5.7	13	13.1	71	6.5
61 - 65 YEARS	2	3.4	46	4.9	7	7.1	55	5.0
66 YEARS AND OVER	6	10.2	106	11.3	11	11.1	123	11.2
UNKNOWN	10	-	230	-	39	-	279	-
<b>TOTAL</b>	69	100.0	1,171	100.0	138	100.0	1,378	100.0

TABLE 3.9.17

**DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2009 MISSOURI CRASHES**

**TYPE OF VISION OBSTRUCTION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
WINDSHIELD OBSCURED	1	1.5	7	0.7	1	0.8	9	0.7
LOAD ON VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
TREES / BRUSH	0	0.0	8	0.7	0	0.0	8	0.6
BUILDING	0	0.0	4	0.4	1	0.8	5	0.4
EMBANKMENT	0	0.0	0	0.0	0	0.0	0	0.0
SIGNBOARD	0	0.0	0	0.0	0	0.0	0	0.0
HILLCREST	0	0.0	7	0.7	0	0.0	7	0.6
PARKED CARS	2	3.1	53	4.9	6	4.8	61	4.8
MOVING CARS	5	7.7	49	4.5	5	4.0	59	4.7
GLARE	3	4.6	35	3.2	0	0.0	38	3.0
OTHER	1	1.5	60	5.6	8	6.5	69	5.4
NOT OBSCURED	53	81.5	857	79.4	103	83.1	1,013	79.8
UNKNOWN	4	-	91	-	14	-	109	-
<b>TOTAL</b>	<b>70</b>	<b>100.0</b>	<b>1,171</b>	<b>100.0</b>	<b>138</b>	<b>100.0</b>	<b>1,378</b>	<b>100.0</b>

**TABLE 3.9.18**

# DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2009 MISSOURI CRASHES

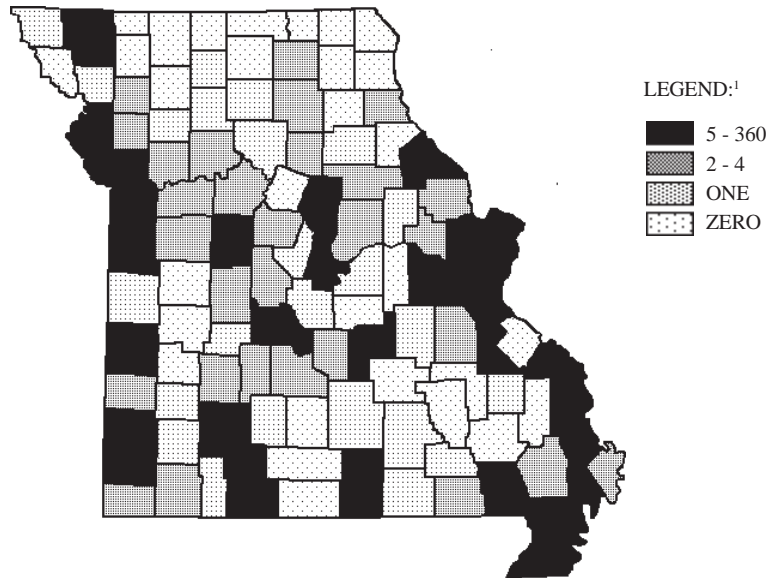
## TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	35	55.6	688	60.3	81	59.1	804	60.0
SPORT UTILITY VEHICLE	8	12.7	160	14.0	21	15.3	189	14.1
LIMOUSINE	0	0.0	0	0.0	0	0.0	0	0.0
VAN	4	6.4	69	6.1	8	5.8	81	6.0
BUS	0	0.0	19	1.7	2	1.5	21	1.6
SCHOOL BUS	0	0.0	4	0.4	0	0.0	4	0.3
MOTORCYCLE	0	0.0	12	1.1	0	0.0	12	0.9
MOPED	0	0.0	1	0.1	0	0.0	1	0.1
BICYCLE	0	0.0	0	0.0	0	0.0	0	0.0
MOTOR HOME / CAMPER	0	0.0	1	0.1	0	0.0	1	0.1
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	3	0.3	1	0.7	4	0.3
PICKUP TRUCK	11	17.5	169	14.8	22	16.1	202	15.1
OTHER TRUCKS	5	7.9	14	1.2	2	1.5	21	1.6
ALL TERRAIN VEHICLE	0	0.0	1	0.1	0	0.0	1	0.1
UNKNOWN	6	-	30	-	1	-	37	-
<b>TOTAL</b>	<b>69</b>	<b>100.0</b>	<b>1,171</b>	<b>100.0</b>	<b>138</b>	<b>100.0</b>	<b>1,378</b>	<b>100.0</b>

**TABLE 3.9.19**

## 2009 PEDESTRIAN INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	360	24.9	24.0	ST. FRANCOIS	6	0.4
2.0	ST. LOUIS	268	18.5	28.5	CAMDEN	5	0.3
3.0	JACKSON	267	18.4	28.5	CHRISTIAN	5	0.3
4.0	GREENE	69	4.8	28.5	HOWELL	5	0.3
5.0	ST. CHARLES	38	2.6	28.5	NEW MADRID	5	0.3
6.0	BOONE	35	2.4	28.5	NODAWAY	5	0.3
7.0	JEFFERSON	31	2.1	28.5	PEMISCOT	5	0.3
8.0	JASPER	28	1.9	28.5	PERRY	5	0.3
9.0	CLAY	27	1.9	28.5	PIKE	5	0.3
11.0	BUCHANAN	19	1.3	-----			
11.0	CAPE GIRARDEAU	19	1.3	First Quartile			
11.0	FRANKLIN	19	1.3	-----			
13.0	COLE	15	1.0	Second Quartile			
14.0	PLATTE	14	1.0	35.5	CALLAWAY	4	0.3
15.5	CASS	13	0.9	35.5	LINCOLN	4	0.3
15.5	SCOTT	13	0.9	35.5	MARION	4	0.3
17.5	BUTLER	12	0.8	35.5	PULASKI	4	0.3
17.5	PETTIS	12	0.8	35.5	RANDOLPH	4	0.3
19.5	DUNKLIN	9	0.6	35.5	WARREN	4	0.3
19.5	TANEY	9	0.6	43.0	CARROLL	3	0.2
21.0	PHELPS	8	0.6	43.0	COOPER	3	0.2
22.5	NEWTON	7	0.5	43.0	DE KALB	3	0.2
22.5	VERNON	7	0.5	43.0	LAFAYETTE	3	0.2
				43.0	MISSISSIPPI	3	0.2

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
43.0	RAY	3	0.2	73.5	OREGON	1	0.1
43.0	RIPLEY	3	0.2	73.5	OSAGE	1	0.1
43.0	SALINE	3	0.2	73.5	SHANNON	1	0.1
43.0	STODDARD	3	0.2	73.5	STONE	1	0.1
54.5	ADAIR	2	0.1	73.5	TEXAS	1	0.1
54.5	AUDRAIN	2	0.1	73.5	WEBSTER	1	0.1
54.5	BARRY	2	0.1	Third Quartile			
54.5	BARTON	2	0.1				
54.5	BENTON	2	0.1	Fourth Quartile			
54.5	CLINTON	2	0.1	100.5	BOLLINGER	0	0.0
54.5	DALLAS	2	0.1	100.5	CEDAR	0	0.0
54.5	JOHNSON	2	0.1	100.5	CLARK	0	0.0
54.5	LACLEDE	2	0.1	100.5	DAVIESS	0	0.0
54.5	MC DONALD	2	0.1	100.5	DENT	0	0.0
54.5	MACON	2	0.1	100.5	DOUGLAS	0	0.0
54.5	MORGAN	2	0.1	100.5	GASCONADE	0	0.0
54.5	POLK	2	0.1	100.5	GENTRY	0	0.0
54.5	WASHINGTON	1	0.1	100.5	HARRISON	0	0.0
				100.5	HENRY	0	0.0
				100.5	HOLT	0	0.0
				100.5	HOWARD	0	0.0
				100.5	IRON	0	0.0
73.5	ANDREW	1	0.1	100.5	KNOX	0	0.0
73.5	ATCHISON	1	0.1	100.5	LEWIS	0	0.0
73.5	BATES	1	0.1	100.5	MARIES	0	0.0
73.5	CALDWELL	1	0.1	100.5	MERCER	0	0.0
73.5	CARTER	1	0.1	100.5	OZARK	0	0.0
73.5	CHARITON	1	0.1	100.5	PUTNAM	0	0.0
73.5	CRAWFORD	1	0.1	100.5	RAILS	0	0.0
73.5	DADE	1	0.1	100.5	REYNOLDS	0	0.0
73.5	GRUNDY	1	0.1	100.5	ST. CLAIR	0	0.0
73.5	HICKORY	1	0.1	100.5	STE. GENEVIEVE	0	0.0
73.5	LAWRENCE	1	0.1	100.5	SCHUYLER	0	0.0
73.5	LINN	1	0.1	100.5	SCOTLAND	0	0.0
73.5	LIVINGSTON	1	0.1	100.5	SHELBY	0	0.0
73.5	MADISON	1	0.1	100.5	SULLIVAN	0	0.0
73.5	MILLER	1	0.1	100.5	WAYNE	0	0.0
73.5	MONITEAU	1	0.1	100.5	WORTH	0	0.0
73.5	MONROE	1	0.1	100.5	WRIGHT	0	0.0
73.5	MONTGOMERY	1	0.1				

## 2009 PEDESTRIAN INVOLVED CRASHES

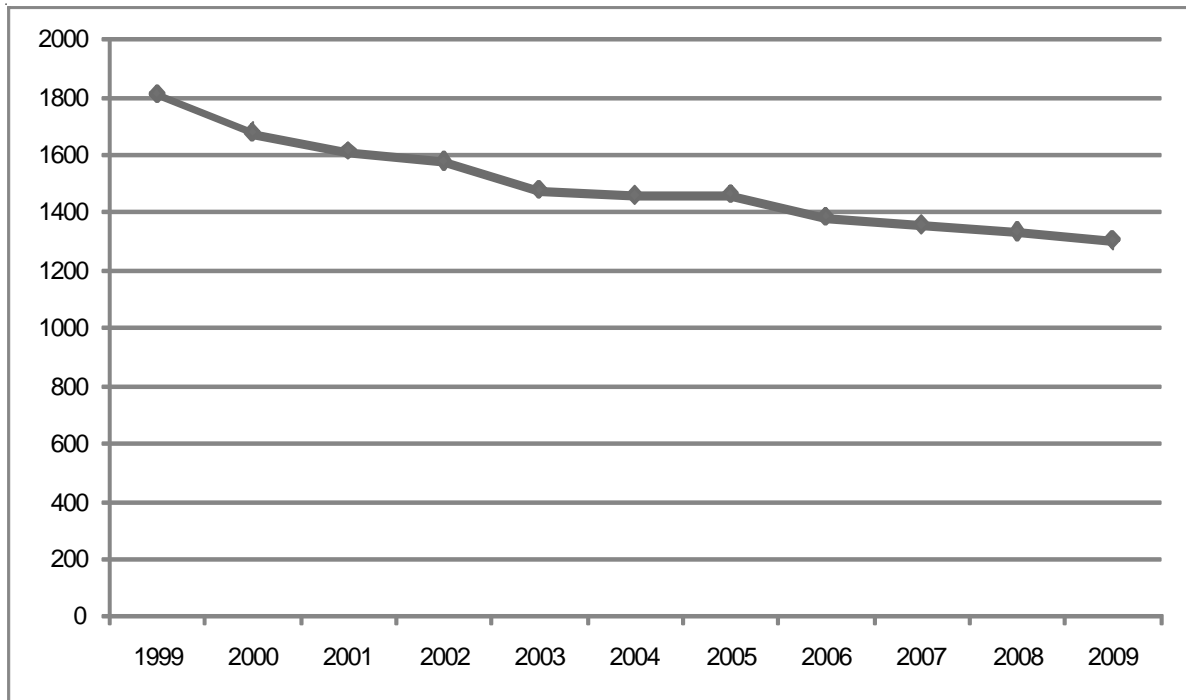
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	ST. LOUIS	361	29.4
2.0	KANSAS CITY	224	18.3
3.0	SPRINGFIELD	63	5.1
4.0	INDEPENDENCE	30	2.4
5.0	FLORISSANT	28	2.3
6.0	COLUMBIA	26	2.1
7.5	JOPLIN	19	1.5
7.5	ST. JOSEPH	19	1.5
9.0	CAPE GIRARDEAU	16	1.3
10.5	ST. CHARLES	15	1.2
10.5	UNIVERSITY CITY	15	1.2
12.5	FERGUSON	14	1.1
12.5	JEFFERSON CITY	14	1.1
14.0	SEDALIA	10	0.8
16.0	CLAYTON	8	0.7
16.0	LEE'S SUMMIT	8	0.7
16.0	SIKESTON	8	0.7
19.5	KIRKWOOD	7	0.6
19.5	NEVADA	7	0.6
19.5	POPLAR BLUFF	7	0.6
19.5	ST. ANN	7	0.6
25.0	BERKELEY	6	0.5
25.0	BLUE SPRINGS	6	0.5
25.0	CHESTERFIELD	6	0.5
25.0	O'FALLON	6	0.5
25.0	OVERLAND	6	0.5
25.0	RICHMOND HEIGHTS	6	0.5
25.0	ROLLA	6	0.5

<sup>1</sup>Percentage is based on pedestrian involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.9.21**

**MISSOURI FATAL AND PERSONAL INJURY PEDESTRIAN INVOLVED CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.9.1**



### 3.10 FIXED OBJECT INVOLVEMENT

***This section presents a series of data displays which describe fixed object involvement in Missouri's traffic crash experience. Fixed object traffic crashes are defined as any traffic crash whose first harmful event involves a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are not included in this analysis. Data displays also are presented which identify characteristics of the vehicle and driver striking the fixed object in the first harmful event.***

#### 2009 SUMMARY ANALYSIS

- Of all Missouri traffic crashes, 20.0% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic crashes, 40.3% involved a fixed object. A total of 340 persons were killed and 12,128 were injured in fixed object crashes.
- There was a decrease of 5.0% in the rate of change when comparing all 2009 fixed object related traffic crash activity with that in 2008. When examining fatal fixed object crashes, the rate of change decreased by 10.2%.
- In 2009, one person was killed or injured in a fixed object crash every 54.5 minutes in the State of Missouri.
- Of all fixed object traffic crashes, 44.3% occurred in an urban area and 55.7% occurred in a rural area of the State. Of the fatal fixed object crashes, 76.3% occurred in a rural area.
- Of all fixed object crashes, 33.0% occurred on a curve and 40.8% occurred on a hill or crest of a hill.
- In 24.6% of the cases, an embankment, culvert, or ditch was the type of object struck. In 10.0% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 55.9% were automobiles and 18.0% were pickup trucks.
- Of the drivers striking fixed objects, 62.8% were male and 37.2% were female. The average age of the driver was 34.2 years.
- Of the drivers striking fixed objects, 82.4% had a Missouri driver's license, 11.6% had an out-of-state driver's license, and 6.0% were unlicensed.

## 2009 MISSOURI TRAFFIC CRASHES

### FIXED OBJECT INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup>			DRIVERS/PASSENGERS OF VEHICLES STRIKING FIXED OBJECTS <sup>2</sup>		
									KILLED	INJURED		KILLED	INJURED	
FIXED OBJECT INVOLVED	317	40.3	9,322	25.2	20,951	18.2	30,590	20.0	340	12,128		335	11,885	
NO FIXED OBJECT INVOLVED	469	59.7	27,677	74.8	94,259	81.8	122,405	80.0	538	41,701		-	-	
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878</b>	<b>53,829</b>		<b>335</b>	<b>11,885</b>	

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where a fixed object was struck during the first harmful event in a crash.

<sup>2</sup>This statistic indicates the number of drivers and passengers of vehicles striking fixed objects during the first harmful event in a crash who were killed and injured.

**TABLE 3.10.1**

### 2008 and 2009 FIXED OBJECT CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	353	317	-10.2
PERSONAL INJURY	9,792	9,322	- 4.7
PROPERTY DAMAGE	22,088	20,951	- 5.1
TOTAL	32,233	30,590	- 5.0

**TABLE 3.10.2**

### 2009 FIXED OBJECT CRASHES

#### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	75	23.7	3,431	36.8	10,044	47.9	13,550	44.3
RURAL	242	76.3	5,891	63.2	10,907	52.1	17,040	55.7
<b>TOTAL</b>	317	100.0	9,322	100.0	20,951	100.0	30,590	100.0

**TABLE 3.10.3**

### 2009 FIXED OBJECT CRASHES

#### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	171	54.1	5,733	61.8	14,317	69.6	20,221	67.0
CURVE	145	45.9	3,537	38.2	6,258	30.4	9,940	33.0
UNKNOWN	1	-	52	-	376	-	429	-
<b>TOTAL</b>	317	100.0	9,322	100.0	20,951	100.0	30,590	100.0

**TABLE 3.10.4**

## 2009 FIXED OBJECT CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	118	37.3	5,045	54.8	12,571	61.6	17,734	59.3
HILL	193	61.1	3,942	42.8	7,341	36.0	11,476	38.4
CREST	5	1.6	220	2.4	487	2.4	712	2.4
UNKNOWN	1	-	115	-	552	-	668	-
<b>TOTAL</b>	317	100.0	9,322	100.0	20,951	100.0	30,590	100.0

**TABLE 3.10.5**

## 2009 FIXED OBJECT CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	263	83.5	6,550	70.7	12,396	60.0	19,209	63.5
WET	36	11.4	2,126	23.0	5,862	28.4	8,024	26.5
SNOW	9	2.9	351	3.8	1,504	7.3	1,864	6.2
ICE	6	1.9	196	2.1	740	3.6	942	3.1
SLUSH	0	0.0	19	0.2	91	0.4	110	0.4
MUD	0	0.0	9	0.1	21	0.1	30	0.1
STANDING WATER	1	0.3	8	0.1	32	0.2	41	0.1
MOVING WATER	0	0.0	3	0.0	10	0.1	13	0.0
UNKNOWN	2	-	60	-	295	-	357	-
<b>TOTAL</b>	317	100.0	9,322	100.0	20,951	100.0	30,590	100.0

**TABLE 3.10.6**

**2009 FIXED OBJECT CRASHES**

**HIGHWAY CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
INTERSTATE	31	9.8	1,518	16.3	4,351	20.8	5,900	19.3
U.S. HIGHWAY	31	9.8	913	9.8	1,816	8.7	2,760	9.0
STATE NUMBERED	65	20.5	1,502	16.1	2,377	11.4	3,944	12.9
SINGLE STATE LETTERED	54	17.0	1,149	12.3	1,533	7.3	2,736	8.9
DOUBLE STATE LETTERED	22	6.9	437	4.7	617	2.9	1,076	3.5
OUTER ROAD	2	0.6	43	0.5	140	0.7	185	0.6
COUNTY ROAD	61	19.2	1,557	16.7	2,723	13.0	4,341	14.2
CITY STREET	46	14.5	2,076	22.3	6,816	32.5	8,938	29.2
INTERSTATE LOOP	0	0.0	5	0.1	33	0.2	38	0.1
OTHER <sup>1</sup>	5	1.6	122	1.3	545	2.6	672	2.2
<b>TOTAL</b>	<b>317</b>	<b>100.0</b>	<b>9,322</b>	<b>100.0</b>	<b>20,951</b>	<b>100.0</b>	<b>30,590</b>	<b>100.0</b>

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.10.7**

## 2009 FIXED OBJECT CRASHES

### HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	PERSONAL INJURY				PROPERTY DAMAGE				PERSONAL INJURY				PROPERTY DAMAGE			
	FATAL	%			FATAL	%			FATAL	%			FATAL	%		
INTERSTATE	18	24.0	888	25.9	2,162	21.5	3,068	22.6	13	5.4	630	10.7	2,189	20.1	2,832	16.6
U.S. HIGHWAY	8	10.7	265	7.7	577	5.7	850	6.3	23	9.5	648	11.0	1,239	11.4	1,910	11.2
STATE NUMBERED	5	6.7	222	6.5	519	5.2	746	5.5	60	24.8	1,280	21.7	1,858	17.0	3,198	18.8
SINGLE STATE LETTERED	0	0.0	47	1.4	108	1.1	155	1.1	54	22.3	1,102	18.7	1,425	13.1	2,581	15.2
DOUBLE STATE LETTERED	2	2.7	32	0.9	72	0.7	106	0.8	20	8.3	405	6.9	545	5.0	970	5.7
OUTER ROAD	1	1.3	14	0.4	70	0.7	85	0.6	1	0.4	29	0.5	70	0.6	100	0.6
COUNTY ROAD	0	0.0	64	1.9	159	1.6	223	1.7	61	25.2	1,493	25.3	2,564	23.5	4,118	24.2
CITY STREET	41	54.7	1,827	53.3	6,008	59.8	7,876	58.1	5	2.1	249	4.2	808	7.4	1,062	6.2
INTERSTATE LOOP	0	0.0	2	0.1	18	0.2	20	0.2	0	0.0	3	0.1	15	0.1	18	0.1
OTHER <sup>1</sup>	0	0.0	70	2.0	351	3.5	421	3.1	5	2.1	52	0.9	194	1.8	251	1.5
TOTAL	75	100.0	3,431	100.0	10,044	100.0	13,550	100.0	242	100.0	5,891	100.0	10,907	100.0	17,040	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.10.8**

## 2009 FIXED OBJECT CRASHES

### TYPE OF OBJECT STRUCK BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
TREE	77	24.3	1,279	13.8	1,682	8.1	3,038	10.0
EMBANKMENT	66	20.8	1,726	18.6	1,939	9.3	3,731	12.3
GUARD RAIL FACE	5	1.6	435	4.7	1,186	5.7	1,626	5.4
GUARD RAIL END	3	1.0	121	1.3	229	1.1	353	1.2
UTILITY POLE	10	3.2	638	6.9	1,382	6.7	2,030	6.7
FENCE	11	3.5	443	4.8	1,562	7.5	2,016	6.6
STREET LIGHT SUPPORT	3	1.0	165	1.8	585	2.8	753	2.5
CULVERT	12	3.8	367	4.0	391	1.9	770	2.5
TRAFFIC SIGN POST	28	8.8	532	5.7	1,984	9.5	2,544	8.4
PIER / ABUTMENT	5	1.6	82	0.9	170	0.8	257	0.9
CURB	16	5.1	436	4.7	1,359	6.5	1,811	6.0
MAILBOX	12	3.8	251	2.7	914	4.4	1,177	3.9
CONCRETE TRAF. BARRIER	2	0.6	622	6.7	1,266	6.1	1,890	6.2
BUILDING	3	1.0	94	1.0	311	1.5	408	1.3
TRAFFIC SIGNAL SUPPORT	2	0.6	70	0.8	234	1.1	306	1.0
IMPACT ATTENUATOR	0	0.0	23	0.3	41	0.2	64	0.2
FIRE HYDRANT	0	0.0	39	0.4	293	1.4	332	1.1
BRIDGE PARAPET END	1	0.3	12	0.1	11	0.1	24	0.1
BRIDGE RAIL	5	1.6	90	1.0	174	0.8	269	0.9
MEDIAN BARRIER	3	1.0	295	3.2	1,569	7.6	1,867	6.1
OVERHEAD SIGN SUPPORT	1	0.3	6	0.1	25	0.1	32	0.1
DITCH	36	11.4	1,130	12.2	1,806	8.7	2,972	9.8
OTHER POST	5	1.6	119	1.3	415	2.0	539	1.8
WALL	1	0.3	79	0.9	222	1.1	302	1.0
OTHER	10	3.2	246	2.7	1,037	5.0	1,293	4.3
FIXED OBJECT TYPE UNKNOWN	0	-	22	-	164	-	186	-
<b>TOTAL</b>	<b>317</b>	<b>100.0</b>	<b>9,322</b>	<b>100.0</b>	<b>20,951</b>	<b>100.0</b>	<b>30,590</b>	<b>100.0</b>

**TABLE 3.10.9**

**2009 MISSOURI FIXED OBJECT CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	2,996	9.8
FEBRUARY	2,178	7.1
MARCH	2,451	8.0
APRIL	2,403	7.9
MAY	2,583	8.4
JUNE	2,411	7.9
JULY	2,433	8.0
AUGUST	2,292	7.5
SEPTEMBER	2,297	7.5
OCTOBER	2,949	9.6
NOVEMBER	2,286	7.5
DECEMBER	3,311	10.8
<b>TOTAL</b>	30,590	100.0

**TABLE 3.10.10**

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**2009 MISSOURI FIXED OBJECT CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	4,608	15.1
MONDAY	3,815	12.5
TUESDAY	4,176	13.7
WEDNESDAY	3,873	12.7
THURSDAY	4,085	13.4
FRIDAY	4,612	15.1
SATURDAY	5,335	17.5
UNKNOWN	86	--
<b>TOTAL</b>	30,590	100.0

**TABLE 3.10.11**



## 2009 MISSOURI FIXED OBJECT CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	1,251	4.2
01:00A - 01:59A	1,354	4.5
02:00A - 02:59A	1,111	3.7
03:00A - 03:59A	866	2.9
04:00A - 04:59A	710	2.4
05:00A - 05:59A	764	2.5
06:00A - 06:59A	1,010	3.4
07:00A - 07:59A	1,396	4.6
08:00A - 08:59A	1,314	4.4
09:00A - 09:59A	1,204	4.0
10:00A - 10:59A	1,302	4.3
11:00A - 11:59A	1,245	4.1
NOON - 12:59P	1,328	4.4
01:00P - 01:59P	1,355	4.5
02:00P - 02:59P	1,514	5.0
03:00P - 03:59P	1,679	5.6
04:00P - 04:59P	1,574	5.2
05:00P - 05:59P	1,467	4.9
06:00P - 06:59P	1,433	4.8
07:00P - 07:59P	1,257	4.2
08:00P - 08:59P	1,106	3.7
09:00P - 09:59P	1,238	4.1
10:00P - 10:59P	1,356	4.5
11:00P - MIDNIGHT	1,266	4.2
UNKNOWN	490	--
<b>TOTAL</b>	<b>30,590</b>	<b>100.0</b>

**TABLE 3.10.12**

## 2009 MISSOURI FIXED OBJECT CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL FIXED OBJECT CRASHES = 317				TOTAL FIXED OBJECT CRASHES = 30,590		
	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.9	0.0	1.9	4.0	0.0	4.0
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.0	0.0	0.1
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	55.5	0.0	55.5	43.1	0.2	43.1
IMPROPER PASSING	2.5	0.0	2.5	0.5	0.0	0.5
VIOLATION OF STOP SIGN	1.6	0.0	1.6	1.1	0.0	1.1
WRONG SIDE NOT PASSING	7.3	0.0	7.3	2.3	0.0	2.4
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.8	0.1	0.9
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.3	0.0	0.3	1.1	0.0	1.1
IMPROPER TURN	0.3	0.0	0.3	2.6	0.0	2.6
IMPROPER LANE USAGE / CHANGE	28.4	0.0	28.4	13.3	0.1	13.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.0	0.1
FAILED TO YIELD	0.3	0.0	0.3	0.5	0.0	0.5
DRINKING	40.7	0.0	40.7	13.3	0.0	13.4
DRUGS	7.3	0.0	7.3	2.1	0.0	2.1
PHYSICAL IMPAIRMENT	7.3	0.0	7.3	5.9	0.0	5.9
INATTENTION	17.4	0.0	17.4	21.5	0.1	21.5

<sup>1</sup>This table identifies the proportion of fixed object crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the proportion of crashes where the contributing circumstance was associated with the driver or vehicle striking the fixed object as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri fixed object crashes, it was found that the driver of the vehicle striking the fixed object was speeding in 55.5% of the crashes. In 0.0% of the crashes another driver was speeding. In 55.5% of the crashes either the driver of the vehicle striking the fixed object, another driver, or both drivers were speeding.

**TABLE 3.10.13**

**2009 MISSOURI FIXED OBJECT CRASHES<sup>1</sup>**

**TYPE OF VEHICLE STRIKING FIXED OBJECT BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	138	43.5	5,144	55.2	11,533	56.4	16,815	55.9
SPORT UTILITY VEHICLE	50	15.8	1,472	15.8	2,968	14.5	4,490	14.9
LIMOUSINE	0	0.0	0	0.0	1	0.0	1	0.0
VAN	11	3.5	379	4.1	919	4.5	1,309	4.4
BUS	1	0.3	12	0.1	55	0.3	68	0.2
SCHOOL BUS	0	0.0	14	0.2	51	0.3	65	0.2
MOTORCYCLE	26	8.2	333	3.6	55	0.3	414	1.4
ALL TERRAIN VEHICLE	9	2.8	43	0.5	2	0.0	54	0.2
MOPED	1	0.3	11	0.1	0	0.0	12	0.0
MOTOR HOME / CAMPER	1	0.3	1	0.0	16	0.1	18	0.1
FARM EQUIPMENT	0	0.0	1	0.0	7	0.0	8	0.0
CONSTRUCTION EQUIPMENT	0	0.0	3	0.0	12	0.1	15	0.1
OTHER TRANSPORT DEVICE	2	0.6	3	0.0	16	0.1	21	0.1
PICKUP TRUCK	74	23.3	1,758	18.9	3,568	17.5	5,400	18.0
OTHER TRUCKS	4	1.3	142	1.5	1,248	6.1	1,394	4.6
UNKNOWN	0	-	6	-	500	-	506	-
<b>TOTAL</b>	<b>317</b>	<b>100.0</b>	<b>9,322</b>	<b>100.0</b>	<b>20,951</b>	<b>100.0</b>	<b>30,590</b>	<b>100.0</b>

<sup>1</sup>This table includes only those vehicles striking a fixed object during the first harmful event in a crash.

**TABLE 3.10.14**

# VEHICLES STRIKING FIXED OBJECTS IN 2009 MISSOURI CRASHES<sup>1</sup>

## DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	6	0.1	110	0.5	116	0.4
KNOWN DRIVER INVOLVED	316	99.7	9,244	99.2	18,666	89.1	28,226	92.3
UNKNOWN DRIVER INVOLVED	1	0.3	72	0.8	2,175	10.4	2,248	7.3
<b>TOTAL</b>	317	100.0	9,322	100.0	20,951	100.0	30,590	100.0

<sup>1</sup>This table includes only vehicles striking fixed objects during the first harmful event in a crash.

**TABLE 3.10.15**

# DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2009 MISSOURI CRASHES<sup>1</sup>

## SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	250	79.1	5,499	59.5	11,909	64.1	17,658	62.8
FEMALE	66	20.9	3,742	40.5	6,661	35.9	10,469	37.2
UNKNOWN	0	-	75	-	2,269	-	2,344	-
<b>TOTAL</b>	316	100.0	9,316	100.0	20,839	100.0	30,471	100.0

<sup>1</sup>The table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

**TABLE 3.10.16**

**DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2009 MISSOURI CRASHES<sup>1</sup>**

**AGE OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>AVERAGE AGE OF DRIVER</b>	38.7	-	34.1	-	34.2	-	34.2	-
14 YEARS AND UNDER	3	1.0	65	0.7	67	0.4	135	0.5
15 - 20 YEARS	55	17.4	2,183	23.7	4,342	23.3	6,580	23.4
21 - 25 YEARS	54	17.1	1,599	17.4	3,299	17.7	4,952	17.6
26 - 30 YEARS	25	7.9	1,079	11.7	2,241	12.1	3,345	11.9
31 - 35 YEARS	21	6.7	739	8.0	1,495	8.0	2,255	8.0
36 - 40 YEARS	24	7.6	661	7.2	1,346	7.2	2,031	7.2
41 - 45 YEARS	25	7.9	633	6.9	1,253	6.7	1,911	6.8
46 - 50 YEARS	29	9.2	615	6.7	1,272	6.8	1,916	6.8
51 - 55 YEARS	23	7.3	536	5.8	1,015	5.5	1,574	5.6
56 - 60 YEARS	14	4.4	363	3.9	715	3.8	1,092	3.9
61 - 65 YEARS	11	3.5	246	2.7	582	3.1	839	3.0
66 YEARS AND OVER	32	10.1	496	5.4	977	5.3	1,505	5.4
UNKNOWN	0	-	101	-	2,235	-	2,336	-
<b>TOTAL</b>	316	100.0	9,316	100.0	20,839	100.0	30,471	100.0

<sup>1</sup>This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

**TABLE 3.10.17**

**DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2009 MISSOURI CRASHES<sup>1</sup>**

**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

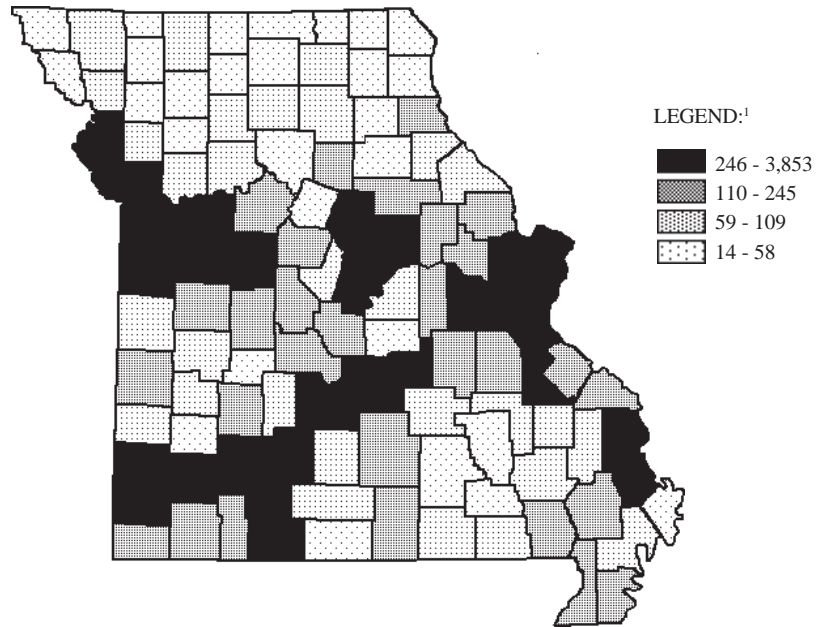
	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MISSOURI</b>								
LEARNER'S PERMIT	3	1.0	68	0.8	113	0.6	184	0.7
OPERATOR'S LICENSE	230	73.5	7,047	77.9	13,723	75.8	21,000	76.4
MOTORCYCLE ONLY	1	0.3	0	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	21	6.7	412	4.6	1,014	5.6	1,447	5.3
SUBTOTAL	255	81.5	7,527	83.3	14,850	82.0	22,632	82.4
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	3	0.0	8	0.0	11	0.0
OPERATOR'S LICENSE	18	5.8	705	7.8	1,842	10.2	2,565	9.3
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	3	1.0	82	0.9	536	3.0	621	2.3
SUBTOTAL	21	6.8	791	8.7	2,386	13.2	3,198	11.6
UNLICENSED	37	11.8	730	8.1	874	4.8	1,641	6.0
UNKNOWN	3	-	268	-	2,729	-	3,000	-
<b>TOTAL</b>	<b>316</b>	<b>100.0</b>	<b>9,316</b>	<b>100.0</b>	<b>20,839</b>	<b>100.0</b>	<b>30,471</b>	<b>100.0</b>

<sup>1</sup>This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

**TABLE 3.10.18**

## 2009 FIXED OBJECT INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	3,853	12.6	22.0	ST. FRANCOIS	306	1.0
2.0	JACKSON	3,185	10.4	23.0	JOHNSON	291	1.0
3.0	ST. LOUIS CITY	2,189	7.2	24.0	WEBSTER	287	0.9
4.0	ST. CHARLES	1,274	4.2	25.0	CHRISTIAN	280	0.9
5.0	JEFFERSON	1,216	4.0	26.0	LAFAYETTE	263	0.9
6.0	GREENE	1,163	3.8	27.0	LAWRENCE	262	0.9
7.0	CLAY	894	2.9	28.0	PETTIS	256	0.8
8.0	FRANKLIN	700	2.3	29.0	SCOTT	246	0.8
9.0	BOONE	592	1.9	First Quartile			
10.0	PLATTE	548	1.8				
11.0	PHELPS	535	1.7	Second Quartile			
12.0	JASPER	486	1.6	30.0	BARRY	245	0.8
13.0	BUCHANAN	481	1.6	31.0	LINCOLN	239	0.8
14.0	CAPE GIRARDEAU	451	1.5	32.0	BUTLER	234	0.8
15.0	TANEY	446	1.5	33.0	CAMDEN	226	0.7
16.0	CALLAWAY	395	1.3	34.0	WARREN	218	0.7
17.0	PULASKI	383	1.3	35.0	CRAWFORD	215	0.7
18.0	NEWTON	351	1.1	36.0	MCDONALD	208	0.7
19.0	CASS	332	1.1	37.0	SALINE	188	0.6
20.0	COLE	319	1.0	38.0	COOPER	184	0.6
21.0	LACLEDE	313	1.0	39.0	HOWELL	183	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	STONE	182	0.6	78.0	DOUGLAS	72	0.2
41.0	MARION	164	0.5	79.0	MADISON	70	0.2
42.0	MILLER	163	0.5	80.0	MACON	69	0.2
43.5	STODDARD	161	0.5	81.0	PIKE	66	0.2
43.5	TEXAS	161	0.5	82.0	BARTON	64	0.2
45.0	POLK	156	0.5	83.0	ST. CLAIR	63	0.2
46.0	BENTON	152	0.5	85.0	CARROLL	61	0.2
47.0	HENRY	144	0.5	85.0	CEDAR	61	0.2
48.5	DUNKLIN	138	0.5	85.0	LINN	61	0.2
48.5	RANDOLPH	138	0.5	87.0	HARRISON	59	0.2
50.5	MORGAN	136	0.4	Third Quartile			
50.5	PEMISCOT	136	0.4	Fourth Quartile			
52.0	MONTGOMERY	132	0.4	88.0	SULLIVAN	58	0.2
53.0	STE. GENEVIEVE	129	0.4	89.0	MARIES	57	0.2
54.0	WASHINGTON	126	0.4	90.0	DE KALB	55	0.2
55.0	AUDRAIN	118	0.4	92.0	CALDWELL	54	0.2
56.0	VERNON	115	0.4	92.0	GRUNDY	54	0.2
57.0	PERRY	114	0.4	92.0	LEWIS	54	0.2
58.0	GASCONADE	110	0.4	94.5	ATCHISON	53	0.2
Second Quartile				94.5	REYNOLDS	53	0.2
Third Quartile				97.0	HOWARD	49	0.2
59.0	NEW MADRID	109	0.4	97.0	MONROE	49	0.2
60.0	CLINTON	108	0.4	97.0	OZARK	49	0.2
61.0	RIPLEY	103	0.3	99.5	DAVISS	47	0.2
62.5	OSAGE	101	0.3	99.5	MISSISSIPPI	47	0.2
62.5	WAYNE	101	0.3	101.0	HICKORY	46	0.1
64.0	RAY	100	0.3	102.0	SHANNON	45	0.1
65.0	NODAWAY	95	0.3	103.0	HOLT	43	0.1
66.0	BOLLINGER	92	0.3	104.0	CHARITON	38	0.1
67.0	ANDREW	89	0.3	105.0	CARTER	37	0.1
68.5	BATES	87	0.3	106.0	CLARK	36	0.1
68.5	DENT	87	0.3	107.0	DADE	30	0.1
70.0	OREGON	86	0.3	108.0	GENTRY	29	0.1
71.5	LIVINGSTON	84	0.3	109.0	SHELBY	22	0.1
71.5	WRIGHT	84	0.3	110.5	KNOX	20	0.1
73.5	DALLAS	83	0.3	110.5	SCOTLAND	20	0.1
73.5	IRON	83	0.3	112.0	MERCER	19	0.1
75.0	ADAIR	78	0.3	113.0	PUTNAM	18	0.1
76.0	MONITEAU	77	0.3	114.5	SCHUYLER	14	0.0
77.0	RALLS	75	0.2	114.5	WORTH	14	0.0

**TABLE 3.10.19**



## 2009 FIXED OBJECT INVOLVED CRASHES

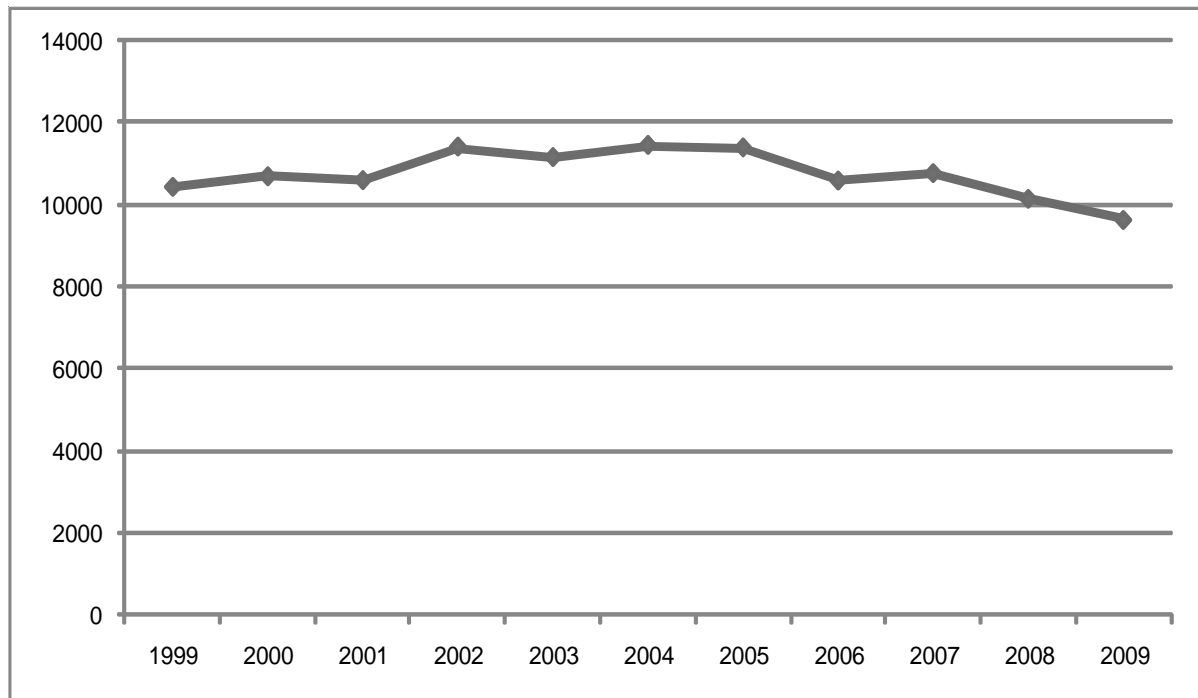
### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	2,525	16.3
2.0	ST. LOUIS	2,189	14.2
3.0	SPRINGFIELD	716	4.6
4.0	INDEPENDENCE	422	2.7
5.0	ST. JOSEPH	358	2.3
6.0	COLUMBIA	308	2.0
7.0	LEE'S SUMMIT	305	2.0
8.0	ST. CHARLES	262	1.7
9.0	JOPLIN	237	1.5
10.0	CAPE GIRARDEAU	220	1.4
11.0	O'FALLON	183	1.2
12.0	CHESTERFIELD	170	1.1
13.0	BLUE SPRINGS	169	1.1
14.0	JEFFERSON CITY	165	1.1
15.0	ST. PETERS	164	1.1
16.0	ROLLA	150	1.0
18.0	BERKELEY	145	0.9
18.0	FLORISSANT	145	0.9
18.0	WILDWOOD	145	0.9
20.0	MARYLAND HEIGHTS	144	0.9
21.0	BRIDGETON	141	0.9
22.0	SUNSET HILLS	117	0.8
23.0	LIBERTY	115	0.7
24.0	CLAYTON	109	0.7
25.0	BRANSON	108	0.7
26.0	HAZELWOOD	105	0.7
27.0	ST. ROBERT	102	0.7
28.0	WENTZVILLE	101	0.7
29.0	KIRKWOOD	97	0.6
30.0	UNIVERSITY CITY	96	0.6
31.5	FESTUS	92	0.6
31.5	ST. ANN	92	0.6
33.0	HANNIBAL	88	0.6
34.0	SEDALIA	87	0.6
35.0	BELLEFONTAINE NEIGHBORS	86	0.6
36.5	CREVE COEUR	82	0.5
36.5	RAYTOWN	82	0.5
39.0	GRANDVIEW	81	0.5
39.0	PEVELY	81	0.5
39.0	POPLAR BLUFF	81	0.5
41.0	WARRENSBURG	80	0.5
42.0	LAKE ST. LOUIS	78	0.5
43.0	ARNOLD	76	0.5
44.0	TOWN AND COUNTRY	74	0.5
45.0	SIKESTON	73	0.5

<sup>1</sup>Percentage is based on fixed object involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 3.10.20**

**MISSOURI FATAL AND PERSONAL INJURY FIXED OBJECT CRASHES  
ANNUAL TIME SERIES**



**FIGURE 3.10.1**

### 3.11 HAZARDOUS MATERIAL INVOLVEMENT

***This section presents a series of data displays which identify hazardous material involvement in Missouri's traffic crash experience. Hazardous material traffic crashes are defined as any crash in which one or more of the vehicles involved were carrying hazardous materials. Data displays also are provided which identify characteristics about the type of hazardous material being carried as well as the vehicle and driver transporting the material.***

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.4% were hazardous material related. Three people were killed and 41 were injured in traffic crashes involving hazardous materials.
- There was an increase of 12.4% in the rate of change when comparing all 2009 hazardous material involved traffic crash activity with that in 2008.
- In 2009, one person was killed or injured in hazardous material involved traffic crashes every 10.4 days in the State of Missouri.
- Of all 2009 hazardous material traffic crashes, the first harmful event in 59.1% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. The first harmful event in 13.4% of the cases was a motor vehicle in transport striking a fixed object and in 11.8% of the incidents a motor vehicle overturned.
- Of all 2009 hazardous material traffic crashes, 35.4% occurred in urban areas and 64.6% occurred in rural areas of the State. All three fatal crashes occurred in a rural area.
- Of all vehicles carrying hazardous materials in traffic crashes, 70.9% were two-unit trucks and 22.1% were single unit trucks.
- Of all vehicles carrying hazardous materials, 18.1% had their materials released as a result of the traffic crash.
- Of the drivers transporting hazardous materials in 2009 traffic crashes, 97.6% were male and 2.4% were female. The average age of the driver was 46.5 years.
- Of the drivers, 72.8% had a Missouri driver's license and 27.2% had an out-of-state driver's license at the time of the crash.

**2009 MISSOURI TRAFFIC CRASHES**  
**HAZARDOUS MATERIAL INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED INJURED	DRIVERS/PASSENGERS OF VEHICLES CARRYING HAZARDOUS MATERIALS <sup>2</sup> KILLED INJURED
HAZARDOUS MATERIALS INVOLVED	3	0.4	32	0.1	92	0.1	127	0.1	3 41	1 18
NO HAZARDOUS MATERIALS INVOLVED	783	99.6	36,967	99.9	115,118	99.9	152,868	99.9	875 53,788	- -
<b>TOTAL</b>	<b>786</b>	<b>100.0</b>	<b>36,999</b>	<b>100.0</b>	<b>115,210</b>	<b>100.0</b>	<b>152,995</b>	<b>100.0</b>	<b>878 53,829</b>	<b>1 18</b>

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where hazardous materials were involved.

<sup>2</sup>This statistic indicates the number of drivers and passengers of vehicles carrying hazardous materials killed and injured.

**TABLE 3.11.1**

### 2008 and 2009 HAZARDOUS MATERIAL INVOLVED CRASH ANALYSIS

	2008	2009	RATE OF CHANGE
FATAL	4	3	-25.0
PERSONAL INJURY	26	32	+23.1
PROPERTY DAMAGE	83	92	+10.8
TOTAL	113	127	+12.4

**TABLE 3.11.2**

### 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

#### CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	3	3.3	3	2.4
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	0	0.0	6	18.8	11	12.0	17	13.4
OTHER OBJECT	0	0.0	1	3.1	2	2.2	3	2.4
PEDESTRIAN	0	0.0	0	0.0	0	0.0	0	0.0
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	2	66.7	17	53.1	56	60.9	75	59.1
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	2	2.2	2	1.6
PARKED VEHICLE	0	0.0	1	3.1	0	0.0	1	0.8
NONCOLLISION OVERTURN	1	33.3	7	21.9	7	7.6	15	11.8
NONCOLLISION OTHER	0	0.0	0	0.0	11	12.0	11	8.7
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>92</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>

**TABLE 3.11.3**

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	0	0.0	10	31.3	35	38.0	45	35.4
RURAL	3	100.0	22	68.7	57	62.0	82	64.6
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

**TABLE 3.11.4**

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	2	66.7	27	84.4	71	78.0	100	79.4
CURVE	1	33.3	5	15.6	20	22.0	26	20.6
UNKNOWN	0	-	0	-	1	-	1	-
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

**TABLE 3.11.5**

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	1	33.3	19	59.4	51	56.0	71	56.3
HILL	2	66.7	12	37.5	40	44.0	54	42.9
CREST	0	0.0	1	3.1	0	0.0	1	0.8
UNKNOWN	0	-	0	-	1	-	1	-
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

**TABLE 3.11.6**

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	3	100.0	25	78.1	73	79.4	101	79.5
WET	0	0.0	4	12.5	14	15.2	18	14.2
SNOW	0	0.0	2	6.3	0	0.0	2	1.6
ICE	0	0.0	1	3.1	4	4.4	5	3.9
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	0	0.0	1	1.0	1	0.8
UNKNOWN	0	-	0	-	0	-	0	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>92</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>

TABLE 3.11.7

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	33.3	13	40.6	32	34.8	46	36.2
U.S. HIGHWAY	1	33.3	4	12.5	20	21.7	25	19.7
STATE NUMBERED	0	0.0	5	15.6	13	14.1	18	14.2
SINGLE STATE LETTERED	0	0.0	6	18.8	5	5.4	11	8.7
DOUBLE STATE LETTERED	1	33.3	1	3.1	2	2.2	4	3.2
OUTER ROAD	0	0.0	0	0.0	1	1.1	1	0.8
COUNTY ROAD	0	0.0	1	3.1	4	4.4	5	3.9
CITY STREET	0	0.0	2	6.3	14	15.2	16	12.6
INTERSTATE LOOP	0	0.0	0	0.0	0	0.0	0	0.0
OTHER <sup>1</sup>	0	0.0	0	0.0	1	1.1	1	0.8
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>92</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>

<sup>1</sup>"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 3.11.8

**2009 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	9	7.1
FEBRUARY	12	9.5
MARCH	10	7.9
APRIL	18	14.2
MAY	10	7.9
JUNE	10	7.9
JULY	9	7.1
AUGUST	8	6.3
SEPTEMBER	9	7.1
OCTOBER	15	11.8
NOVEMBER	10	7.9
DECEMBER	7	5.5
<b>TOTAL</b>	127	100.0

**TABLE 3.11.9**

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**2009 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	5	3.9
MONDAY	31	24.4
TUESDAY	27	21.3
WEDNESDAY	26	20.5
THURSDAY	15	11.8
FRIDAY	11	8.7
SATURDAY	12	9.5
<b>TOTAL</b>	127	100.0

**TABLE 3.11.10**



## 2009 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES

### HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	1	0.8
01:00A - 01:59A	1	0.8
02:00A - 02:59A	2	1.6
03:00A - 03:59A	0	0.0
04:00A - 04:59A	2	1.6
05:00A - 05:59A	8	6.3
06:00A - 06:59A	1	0.8
07:00A - 07:59A	9	7.1
08:00A - 08:59A	8	6.3
09:00A - 09:59A	9	7.1
10:00A - 10:59A	5	3.9
11:00A - 11:59A	10	7.9
NOON - 12:59P	13	10.2
01:00P - 01:59P	9	7.1
02:00P - 02:59P	10	7.9
03:00P - 03:59P	10	7.9
04:00P - 04:59P	8	6.3
05:00P - 05:59P	4	3.2
06:00P - 06:59P	3	2.4
07:00P - 07:59P	3	2.4
08:00P - 08:59P	3	2.4
09:00P - 09:59P	4	3.2
10:00P - 10:59P	3	2.4
11:00P - MIDNIGHT	1	0.8
<b>TOTAL</b>	127	100.0

**TABLE 3.11.11**

# VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2009 MISSOURI CRASHES

## TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PASSENGER CAR	0	0.0	0	0.0	0	0.0	0	0.0
SUV	0	0.0	0	0.0	2	2.2	2	1.6
VAN	0	0.0	0	0.0	1	1.1	1	0.8
MOTORCYCLE	0	0.0	1	3.1	0	0.0	1	0.8
FARMEQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	0	0.0	0	0.0
PICKUP TRUCK	0	0.0	0	0.0	3	3.3	3	2.4
SINGLE UNIT TRUCK	2	66.7	9	28.1	17	18.5	28	22.1
TWO UNIT TRUCK	1	33.3	21	65.6	68	73.9	90	70.9
OTHER TRUCK	0	0.0	1	3.1	1	1.1	2	1.6
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

TABLE 3.11.12

# VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2009 MISSOURI CRASHES

## TYPE OF HAZARDOUS MATERIAL CARRIED BY SPILLAGE AND CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>SPILLED</b>								
GASES IN BULK	0	0.0	2	6.3	0	0.0	2	1.6
SOLIDS IN BULK	0	0.0	2	6.3	4	4.4	6	4.7
LIQUIDS IN BULK	1	33.3	8	25.0	6	6.5	15	11.8
EXPLOSIVES	0	0.0	0	0.0	0	0.0	0	0.0
SUBTOTAL	1	33.3	12	37.6	10	10.9	23	18.1
<b>NOT SPILLED</b>								
GASES IN BULK	1	33.3	3	9.4	25	27.2	29	22.8
SOLIDS IN BULK	0	0.0	2	6.3	6	6.5	8	6.3
LIQUIDS IN BULK	1	33.3	13	40.6	43	46.7	57	44.9
EXPLOSIVES	0	0.0	2	6.3	8	8.7	10	7.9
SUBTOTAL	2	66.6	20	62.6	82	89.1	104	81.9
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

TABLE 3.11.13

## 2009 MISSOURI HAZARDOUS MATERIAL CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION<sup>1</sup>

FATAL HAZARDOUS MATERIAL CRASHES = 3				TOTAL HAZARDOUS MATERIAL CRASHES = 127		
	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	7.1	1.6	8.7
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	33.3	33.3	0.0	1.6	1.6
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	0.0	0.0	8.7	9.4	17.3
IMPROPER PASSING	0.0	0.0	0.0	0.8	2.4	3.1
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.0	0.8	0.8
WRONG SIDE NOT PASSING	0.0	0.0	0.0	1.6	1.6	3.1
FOLLOWING TOO CLOSE	0.0	0.0	0.0	4.7	3.9	8.7
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	3.1	0.0	3.1
IMPROPER TURN	0.0	0.0	0.0	3.9	0.8	4.7
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	11.8	13.4	24.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
FAILED TO YIELD	0.0	33.3	33.3	0.8	5.5	6.3
DRINKING	0.0	0.0	0.0	0.0	0.8	0.8
DRUGS	0.0	0.0	0.0	0.0	0.8	0.8
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.8	0.0	0.8
INATTENTION	33.3	0.0	33.3	17.3	15.0	31.5

<sup>1</sup>This table identifies the percentage of hazardous material crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the driver of the vehicle carrying hazardous materials or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2009 Missouri hazardous material crashes, it was found that the driver of a vehicle carrying hazardous materials was speeding in 8.7% of the crashes. In 9.4% of the crashes another driver was speeding. In 17.3% of the crashes either the driver of the vehicle carrying hazardous materials, another driver, or both drivers were speeding.

**TABLE 3.11.14**

# VEHICLES CARRYING HAZARDOUS MATERIALS IN 2009 MISSOURI CRASHES

## DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	3	100.0	32	100.0	92	100.0	127	100.0
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

TABLE 3.11.15

# DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2009 MISSOURI CRASHES

## SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	3	100.0	32	100.0	89	96.7	124	97.6
FEMALE	0	0.0	0	0.0	3	3.3	3	2.4
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

TABLE 3.11.16

# DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2009 MISSOURI CRASHES

## AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>AVERAGE AGE OF DRIVER</b>	43.7	-	47.7	-	46.2	-	46.5	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	0	0.0	2	2.2	2	1.6
26 - 30 YEARS	0	0.0	2	6.3	9	9.8	11	8.7
31 - 35 YEARS	0	0.0	4	12.5	6	6.5	10	7.9
36 - 40 YEARS	1	33.3	2	6.3	14	15.2	17	13.4
41 - 45 YEARS	1	33.3	3	9.4	16	17.4	20	15.8
46 - 50 YEARS	1	33.3	8	25.0	9	9.8	18	14.2
51 - 55 YEARS	0	0.0	6	18.8	13	14.1	19	15.0
56 - 60 YEARS	0	0.0	3	9.4	10	10.9	13	10.2
61 - 65 YEARS	0	0.0	3	9.4	8	8.7	11	8.7
66 YEARS AND OVER	0	0.0	1	3.1	5	5.4	6	4.7
UNKNOWN	0	-	0	-	0	-	0	-
<b>TOTAL</b>	3	100.0	32	100.0	92	100.0	127	100.0

**TABLE 3.11.17**

# DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2009 MISSOURI CRASHES

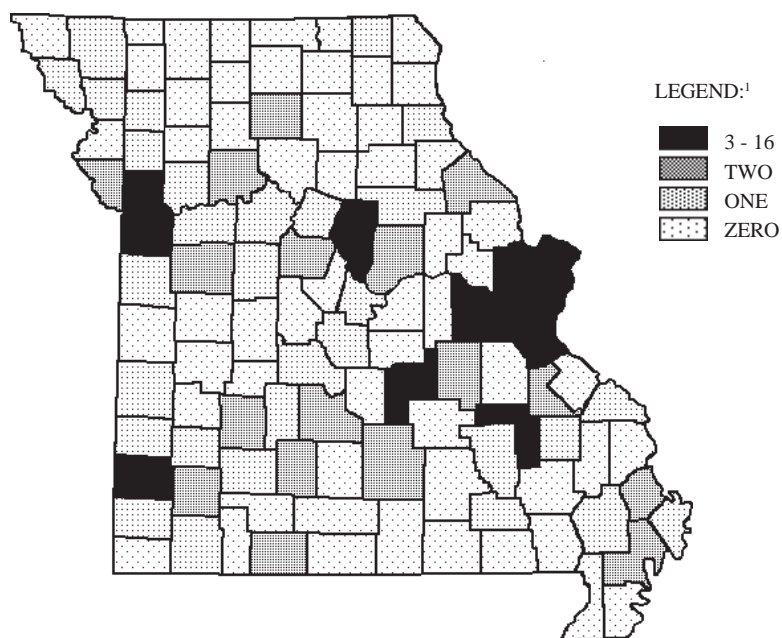
## DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
<b>MISSOURI</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	2	6.3	10	11.1	12	9.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	66.7	24	75.0	53	58.9	79	63.2
SUBTOTAL	2	66.7	26	81.3	63	70.0	91	72.8
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	1	33.3	0	0.0	1	1.1	2	1.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	6	18.8	26	28.9	32	25.6
SUBTOTAL	1	33.3	6	18.8	27	30.0	34	27.2
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	2	-	2	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>92</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>

**TABLE 3.11.18**

## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	16	12.6	20.0	CRAWFORD	2	1.6
3.0	CLAY	7	5.5	20.0	JOHNSON	2	1.6
3.0	ST. CHARLES	7	5.5	20.0	LACLEDE	2	1.6
3.0	ST. LOUIS CITY	7	5.5	20.0	ST. FRANCOIS	2	1.6
5.5	FRANKLIN	5	3.9	20.0	SCOTT	2	1.6
5.5	JACKSON	5	3.9	20.0	TANEY	2	1.6
7.0	PHELPS	4	3.1	20.0	TEXAS	2	1.6
9.5	BOONE	3	2.4	20.0	WEBSTER	2	1.6
9.5	IRON	3	2.4	Second Quartile			
9.5	JASPER	3	2.4	Third Quartile			
9.5	JEFFERSON	3	2.4	43.5	ANDREW	1	0.8
First Quartile				43.5	AUDRAIN	1	0.8
Second Quartile				43.5	BARRY	1	0.8
20.0	CALLAWAY	2	1.6	43.5	BARTON	1	0.8
20.0	CARROLL	2	1.6	43.5	CAMDEN	1	0.8
20.0	COOPER	2	1.6	43.5	CARTER	1	0.8
20.0	LAWRENCE	2	1.6	43.5	CASS	1	0.8
20.0	LINN	2	1.6	43.5	CLINTON	1	0.8
20.0	NEW MADRID	2	1.6	43.5	COLE	1	0.8
20.0	PIKE	2	1.6	43.5	DADE	1	0.8
20.0	PLATTE	2	1.6	43.5	DALLAS	1	0.8
20.0	POLK	2	1.6	43.5	DE KALB	1	0.8

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
43.5	GREENE	1	0.8	87.0	GENTRY	0	0.0
43.5	HOLT	1	0.8	87.0	GRUNDY	0	0.0
43.5	HOWARD	1	0.8	87.0	HARRISON	0	0.0
43.5	LAFAYETTE	1	0.8	87.0	HENRY	0	0.0
43.5	MADISON	1	0.8	87.0	HICKORY	0	0.0
43.5	MARION	1	0.8	87.0	HOWELL	0	0.0
43.5	MILLER	1	0.8	87.0	KNOX	0	0.0
43.5	MISSISSIPPI	1	0.8	87.0	LEWIS	0	0.0
43.5	NEWTON	1	0.8	87.0	LINCOLN	0	0.0
43.5	NODAWAY	1	0.8	87.0	LIVINGSTON	0	0.0
43.5	PERRY	1	0.8	87.0	MCDONALD	0	0.0
43.5	PETTIS	1	0.8	87.0	MACON	0	0.0
43.5	RAY	1	0.8	87.0	MARIES	0	0.0
43.5	REYNOLDS	1	0.8	87.0	MERCER	0	0.0
43.5	SALINE	1	0.8	87.0	MONITEAU	0	0.0
43.5	SCOTLAND	1	0.8	87.0	MONROE	0	0.0
43.5	STODDARD	1	0.8	87.0	MONTGOMERY	0	0.0
43.5	VERNON	1	0.8	87.0	MORGAN	0	0.0
Third Quartile				87.0	OREGON	0	0.0
Fourth Quartile				87.0	OSAGE	0	0.0
87.0	ADAIR	0	0.0	87.0	OZARK	0	0.0
87.0	ATCHISON	0	0.0	87.0	PEMISCOT	0	0.0
87.0	BATES	0	0.0	87.0	PULASKI	0	0.0
87.0	BENTON	0	0.0	87.0	PUTNAM	0	0.0
87.0	BOLLINGER	0	0.0	87.0	RALLS	0	0.0
87.0	BUCHANAN	0	0.0	87.0	RANDOLPH	0	0.0
87.0	BUTLER	0	0.0	87.0	RIPLEY	0	0.0
87.0	CALDWELL	0	0.0	87.0	ST. CLAIR	0	0.0
87.0	CAPE GIRARDEAU	0	0.0	87.0	STE. GENEVIEVE	0	0.0
87.0	CEDAR	0	0.0	87.0	SCHUYLER	0	0.0
87.0	CHARITON	0	0.0	87.0	SHANNON	0	0.0
87.0	CHRISTIAN	0	0.0	87.0	SHELBY	0	0.0
87.0	CLARK	0	0.0	87.0	STONE	0	0.0
87.0	DAVISS	0	0.0	87.0	SULLIVAN	0	0.0
87.0	DENT	0	0.0	87.0	WARREN	0	0.0
87.0	DOUGLAS	0	0.0	87.0	WASHINGTON	0	0.0
87.0	DUNKLIN	0	0.0	87.0	WAYNE	0	0.0
87.0	GASCONADE	0	0.0	87.0	WORTH	0	0.0
				87.0	WRIGHT	0	0.0

**TABLE 3.11.18**



## 2009 HAZARDOUS MATERIAL INVOLVED CRASHES

### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	ST. LOUIS	7	12.7
2.0	KANSAS CITY	6	10.9
6.0	BOLIVAR	2	3.6
6.0	BRIDGETON	2	3.6
6.0	COLUMBIA	2	3.6
6.0	O'FALLON	2	3.6
6.0	ROLLA	2	3.6
6.0	TOWN AND COUNTRY	2	3.6
6.0	WENTZVILLE	2	3.6
23.5	BLUE SPRINGS	1	1.8
23.5	BRANSON	1	1.8
23.5	CARTHAGE	1	1.8
23.5	CLAYCOMO	1	1.8
23.5	COOL VALLEY	1	1.8
23.5	FERGUSON	1	1.8
23.5	FLORISSANT	1	1.8
23.5	GRANDVIEW	1	1.8
23.5	HANNIBAL	1	1.8
23.5	HAZELWOOD	1	1.8
23.5	HERCULANEUM	1	1.8
23.5	JEFFERSON CITY	1	1.8
23.5	LIBERTY	1	1.8
23.5	MEMPHIS	1	1.8
23.5	NEVADA	1	1.8
23.5	NORTH KANSAS CITY	1	1.8
23.5	OAKLAND	1	1.8
23.5	PARKVILLE	1	1.8
23.5	PINE LAWN	1	1.8
23.5	RIVERSIDE	1	1.8
23.5	ST. ANN	1	1.8
23.5	ST. CHARLES	1	1.8
23.5	ST. PETERS	1	1.8
23.5	SIKESTON	1	1.8
23.5	SMITHVILLE	1	1.8
23.5	SPRINGFIELD	1	1.8
23.5	VELDA VILLAGE	1	1.8
23.5	WARRENSBURG	1	1.8

<sup>1</sup>Percentage is based on hazardous material involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.8% or more of these crashes are listed.

**TABLE 3.11.20**

### 3.12 CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT

*This section presents a series of data displays which identify construction / other work zone involvement in Missouri's traffic crash experience. Construction / other work zone crashes are defined as any traffic crash where one or more of the traffic controls associated with the incident was a construction or other work zone. Data displays are provided which describe characteristics of the incidents as well as all vehicles and drivers directly associated with the traffic crashes.*

#### 2009 SUMMARY ANALYSIS

- Of all 2009 Missouri traffic crashes, 1.2% involved construction / other work zones. Of all fatal traffic crashes, 0.9% were construction / other work zone related. A total of 7 people were killed and 540 were injured in traffic crashes involving construction / other work zones.
- In 2009, one person was killed or injured in construction / other work zone involved traffic crashes every 18.2 hours in the State of Missouri.
- Of all 2009 construction / other work zone traffic crashes, the first harmful event in 73.3% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 14.3% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object.
- Of all 2009 construction / other work zone traffic crashes, 59.6% occurred in urban areas and 40.5% occurred in rural areas of the State.
- Of all 2009 construction / other work zone traffic crashes, 28.3% occurred on an interstate highway.
- Of all vehicles in construction / other work zone traffic crashes, 49.2% were automobiles, 16.5% were pickup trucks, 14.9% were sport utility vehicles, and 10.9% were other types of trucks.
- Of the drivers in 2009 construction / other work zone related traffic crashes, 60.7% were male and 39.3% were female. The average age of the driver was 39.3 years.
- Of the drivers, 84.2% had a Missouri driver's license, 14.2% had an out-of-state driver's license, and 1.5% were unlicensed at the time of the crash.

**2009 MISSOURI TRAFFIC CRASHES**  
**CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER <sup>1</sup> KILLED INJURED
CONSTRUCTION ZONE INVOLVED	7	0.9	374	1.0	1,399	1.2	1,780	1.2	7 540
WORK ZONE INVOLVED	4	0.5	96	0.3	303	0.3	403	0.3	6 133
NO CONSTRUCTION ZONE INVOLVED / UNKNOWN <sup>2</sup>	775	98.6	36,529	98.7	113,508	98.5	150,812	98.6	865 53,156
<b>TOTAL</b>	786	100.0	36,999	100.0	115,210	100.0	152,995	100.0	878 53,829

<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where a construction / other work zone was involved.

<sup>2</sup>Crashes were classified this way if construction or other work zone was not marked in the traffic control zone field of the crash report.

**TABLE 3.12.1**

**2008 and 2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASH ANALYSIS**

	<b>2008</b>	<b>2009</b>	<b>RATE OF CHANGE</b>
<b>FATAL</b>	10	11	+ 10.0
<b>PERSONAL INJURY</b>	401	470	+17.2
<b>PROPERTY DAMAGE</b>	1,313	1,702	+29.6
<b>TOTAL</b>	1,724	2,183	+26.6

**TABLE 3.12.2**

**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**TRAFFIC CONTROL BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
CONSTRUCTION ZONE	7	63.6	374	79.6	1,399	82.2	1,780	81.5
OTHER WORK ZONE	4	36.4	96	20.4	303	17.8	403	18.5
<b>TOTAL</b>	11	100.0	470	100.0	1,702	100.0	2,183	100.0

**TABLE 3.12.3**

**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**CRASH TYPE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
ANIMAL	0	0.0	0	0.0	18	1.1	18	0.8
BICYCLIST	1	9.1	3	0.6	1	0.1	5	0.2
FIXED OBJECT	4	36.4	62	13.2	245	14.4	311	14.3
OTHER OBJECT	1	9.1	16	3.4	71	4.2	88	4.0
PEDESTRIAN	1	9.1	15	3.2	4	0.2	20	0.9
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	3	27.3	338	71.9	1,260	74.0	1,601	73.3
VEHICLE ON OTHER ROADWAY	1	9.1	0	0.0	2	0.1	3	0.1
PARKED VEHICLE	0	0.0	4	0.9	54	3.2	58	2.7
NONCOLLISION OVERTURN	0	0.0	29	6.2	14	0.8	43	2.0
NONCOLLISION OTHER	0	0.0	3	0.6	33	1.9	36	1.7
<b>TOTAL</b>	11	100.0	470	100.0	1,702	100.0	2,183	100.0

**TABLE 3.12.4**

**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**AREA CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
URBAN	4	36.4	283	60.2	1,013	59.5	1,300	59.6
RURAL	7	63.6	187	39.8	689	40.5	883	40.5
<b>TOTAL</b>	11	100.0	470	100.0	1,702	100.0	2,183	100.0

**TABLE 3.12.5**

**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**ROAD CURVATURE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
STRAIGHT	8	72.7	399	85.6	1,450	87.0	1,857	86.6
CURVE	3	27.3	67	14.4	217	13.0	287	13.4
UNKNOWN	0	-	4	-	35	-	39	-
<b>TOTAL</b>	<b>11</b>	<b>100.0</b>	<b>470</b>	<b>100.0</b>	<b>1,702</b>	<b>100.0</b>	<b>2,183</b>	<b>100.0</b>

**TABLE 3.12.6**

**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**ROAD INCLINE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
LEVEL	6	54.6	289	62.2	1,084	65.5	1,379	64.7
HILL	5	45.5	164	35.3	539	32.6	708	33.2
CREST	0	0.0	12	2.6	32	1.9	44	2.1
UNKNOWN	0	-	5	-	47	-	52	-
<b>TOTAL</b>	<b>11</b>	<b>100.0</b>	<b>470</b>	<b>100.0</b>	<b>1,702</b>	<b>100.0</b>	<b>2,183</b>	<b>100.0</b>

**TABLE 3.12.7**

## 2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

### ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	9	81.8	403	86.9	1,472	87.5	1,884	87.3
WET	2	18.2	57	12.3	193	11.5	252	11.7
SNOW	0	0.0	3	0.7	8	0.5	11	0.5
ICE	0	0.0	0	0.0	7	0.4	7	0.3
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	2	0.1	2	0.1
STANDING WATER	0	0.0	1	0.2	1	0.1	2	0.1
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	6	-	19	-	25	-
<b>TOTAL</b>	11	100.0	470	100.0	1,702	100.0	2,183	100.0

**TABLE 3.12.8**

## 2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

### HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	5	45.5	133	28.3	480	28.2	618	28.3
U.S. HIGHWAY	3	27.3	98	20.9	319	18.7	420	19.2
STATE NUMBERED	2	18.2	85	18.1	264	15.5	351	16.1
SINGLE STATE LETTERED	1	9.1	11	2.3	27	1.6	39	1.8
DOUBLE STATE LETTERED	0	0.0	3	0.6	17	1.0	20	0.9
OUTER ROAD	0	0.0	2	0.4	15	0.9	17	0.8
COUNTY ROAD	0	0.0	7	1.5	57	3.4	64	2.9
CITY STREET	0	0.0	127	27.0	493	29.0	620	28.4
INTERSTATE LOOP	0	0.0	1	0.2	4	0.2	5	0.2
OTHER <sup>1</sup>	0	0.0	3	0.6	26	1.5	29	1.3
<b>TOTAL</b>	11	100.0	470	100.0	1,702	100.0	2,183	100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.12.9**

**2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES****MONTH OF YEAR**

<b>MONTH</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
JANUARY	64	2.9
FEBRUARY	77	3.5
MARCH	135	6.2
APRIL	184	8.4
MAY	186	8.5
JUNE	185	8.5
JULY	265	12.1
AUGUST	272	12.5
SEPTEMBER	256	11.7
OCTOBER	243	11.1
NOVEMBER	199	9.1
DECEMBER	117	5.4
<b>TOTAL</b>	2,183	100.0

**TABLE 3.12.10**

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**2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES****DAY OF WEEK**

<b>DAY</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
SUNDAY	150	6.9
MONDAY	346	15.9
TUESDAY	367	16.8
WEDNESDAY	381	17.5
THURSDAY	348	15.9
FRIDAY	382	17.5
SATURDAY	209	9.6
<b>TOTAL</b>	2,183	100.0

**TABLE 3.12.11**



**2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**HOUR OF DAY**

<b>HOUR</b>	<b>FREQUENCY</b>	<b>PERCENT</b>
12:01A - 12:59A	37	1.7
01:00A - 01:59A	28	1.3
02:00A - 02:59A	33	1.5
03:00A - 03:59A	23	1.1
04:00A - 04:59A	13	0.6
05:00A - 05:59A	25	1.2
06:00A - 06:59A	46	2.1
07:00A - 07:59A	137	6.3
08:00A - 08:59A	114	5.2
09:00A - 09:59A	111	5.1
10:00A - 10:59A	123	5.7
11:00A - 11:59A	158	7.3
NOON - 12:59P	174	8.0
01:00P - 01:59P	154	7.1
02:00P - 02:59P	165	7.6
03:00P - 03:59P	178	8.2
04:00P - 04:59P	145	6.7
05:00P - 05:59P	158	7.3
06:00P - 06:59P	86	4.0
07:00P - 07:59P	64	2.9
08:00P - 08:59P	57	2.6
09:00P - 09:59P	55	2.5
10:00P - 10:59P	48	2.2
11:00P - MIDNIGHT	43	2.0
UNKNOWN	8	--
<b>TOTAL</b>	2,183	100.0

**TABLE 3.12.12**

# VEHICLES IN 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

## TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	4	20.0	470	52.1	1,469	48.5	1,943	49.2
SPORT UTILITY VEHICLE	2	10.0	128	14.2	457	15.1	587	14.9
LIMOUSINE	0	0.0	0	0.0	2	0.1	2	0.1
VAN	2	10.0	64	7.1	177	5.8	243	6.2
BUS	0	0.0	4	0.4	12	0.4	16	0.4
SCHOOL BUS	0	0.0	1	0.1	6	0.2	7	0.2
MOTORCYCLE	0	0.0	16	1.8	5	0.2	21	0.5
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
MOPED	0	0.0	2	0.2	0	0.0	2	0.1
BICYCLE	1	5.0	2	0.2	1	0.0	4	0.1
MOTOR HOME / CAMPER	0	0.0	1	0.1	5	0.2	6	0.2
FARM EQUIPMENT	0	0.0	1	0.1	5	0.2	6	0.2
CONSTRUCTION EQUIPMENT	1	5.0	4	0.4	21	0.7	26	0.7
OTHER TRANSPORT DEVICE	0	0.0	1	0.1	6	0.2	7	0.2
PICKUP TRUCK	4	20.0	138	15.3	510	16.8	652	16.5
OTHER TRUCKS	6	30.0	70	7.8	355	11.7	431	10.9
VEHICLE TYPE UNKNOWN	0	-	1	-	25	-	26	-
<b>TOTAL</b>	20	100.0	903	100.0	3,056	100.0	3,979	100.0

**TABLE 3.12.13**

## 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

### TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY<sup>1</sup>

FATAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 11		TOTAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 2,183
VEHICLE DEFECTS	9.1	2.2
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.6
IMPROPERLY STOPPED ON ROADWAY	0.0	0.3
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	18.2	13.0
IMPROPER PASSING	9.1	2.2
VIOLATION OF STOP SIGN	9.1	3.1
WRONG SIDE NOT PASSING	27.3	1.0
FOLLOWING TOO CLOSE	18.2	26.7
IMPROPER SIGNAL	0.0	0.2
IMPROPER BACKING	0.0	2.5
IMPROPER TURN	0.0	2.8
IMPROPER LANE USAGE / CHANGE	36.4	15.6
WRONG WAY ONE-WAY STREET	0.0	0.4
IMPROPER START FROM PARK	0.0	0.1
IMPROPERLY PARKED	0.0	0.2
FAILED TO YIELD	9.1	11.0
DRINKING	18.2	3.6
DRUGS	9.1	0.4
PHYSICAL IMPAIRMENT	0.0	1.8
INATTENTION	9.1	33.4

<sup>1</sup>This table identifies the percentage of construction / other work zone crashes having a specific type of circumstance which contributed to the cause of the crash. For instance, when examining drinking involvement in 2009 Missouri fatal construction / other work zone crashes, it was found that in 18.2% of the crashes one or more drivers were drinking. In all construction / other work zone traffic crashes, 3.6% had one or more drivers who were drinking.

**TABLE 3.12.14**

# VEHICLES IN 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

## DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	20	100.0	884	97.9	2,912	95.3	3,816	95.9
UNKNOWN DRIVER INVOLVED	0	0.0	19	2.1	144	4.7	163	4.1
<b>TOTAL</b>	20	100.0	903	100.0	3,056	100.0	3,979	100.0

TABLE 3.12.15

# DRIVERS OF VEHICLES IN 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

## SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	16	80.0	495	56.0	1,796	62.0	2,307	60.7
FEMALE	4	20.0	389	44.0	1,102	38.0	1,495	39.3
UNKNOWN	0	-	19	-	158	-	177	-
<b>TOTAL</b>	20	100.0	903	100.0	3,056	100.0	3,979	100.0

TABLE 3.12.16

**DRIVERS OF VEHICLES IN 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES**

**AGE OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>AVERAGE AGE OF DRIVER</b>	43.3	-	39.6	-	40.0	-	39.9	-
14 YEARS AND UNDER	0	0.0	1	0.1	1	0.0	2	0.1
15 - 20 YEARS	2	10.0	111	12.6	381	13.2	494	13.1
21 - 25 YEARS	1	5.0	125	14.2	356	12.4	482	12.8
26 - 30 YEARS	1	5.0	83	9.4	334	11.6	418	11.1
31 - 35 YEARS	3	15.0	74	8.4	237	8.2	314	8.3
36 - 40 YEARS	2	10.0	83	9.4	262	9.1	347	9.2
41 - 45 YEARS	3	15.0	85	9.7	245	8.5	333	8.8
46 - 50 YEARS	1	5.0	81	9.2	272	9.4	354	9.4
51 - 55 YEARS	2	10.0	79	9.0	232	8.1	313	8.3
56 - 60 YEARS	1	5.0	54	6.1	176	6.1	231	6.1
61 - 65 YEARS	1	5.0	49	5.6	140	4.9	190	5.0
66 YEARS AND OVER	3	15.0	56	6.4	244	8.5	303	8.0
UNKNOWN	0	-	22	-	176	-	198	-
<b>TOTAL</b>	20	100.0	903	100.0	3,056	100.0	3,979	100.0

**TABLE 3.12.17**

**DRIVERS OF VEHICLES IN 2009 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES**

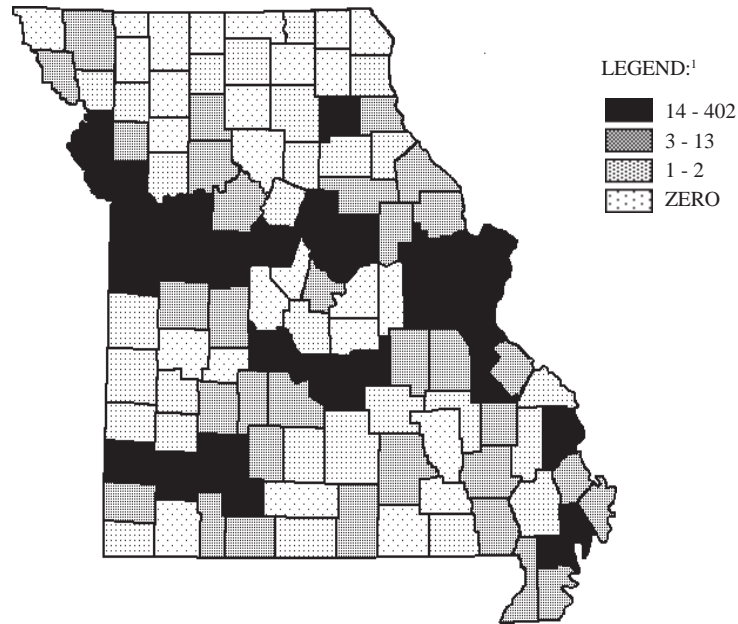
**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MISSOURI</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	8	0.3	8	0.2
OPERATOR'S LICENSE	8	42.1	677	78.3	2,048	72.8	2,733	73.9
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	5	26.3	77	8.9	292	10.4	374	10.1
SUBTOTAL	13	68.4	754	87.2	2,348	83.5	3,115	84.2
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	2	10.5	72	8.3	285	10.1	359	9.7
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	10.5	26	3.0	139	4.9	167	4.5
SUBTOTAL	4	21.0	98	11.3	424	15.0	526	14.2
UNLICENSED	2	10.5	13	1.5	42	1.5	57	1.5
UNKNOWN	1	-	38	-	242	-	281	-
<b>TOTAL</b>	<b>20</b>	<b>100.0</b>	<b>903</b>	<b>100.0</b>	<b>3,056</b>	<b>100.0</b>	<b>3,979</b>	<b>100.0</b>

**TABLE 3.12.18**

## 2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	402	18.4	23.0	BUCHANAN	17	0.8
2.0	ST. LOUIS	293	13.4	23.0	LAWRENCE	17	0.8
3.0	GREENE	173	7.9	23.0	PULASKI	17	0.8
4.0	ST. CHARLES	162	7.4	25.0	COOPER	15	0.7
5.0	CLAY	145	6.6	27.0	CALLAWAY	14	0.6
6.0	FRANKLIN	102	4.7	27.0	JOHNSON	14	0.6
7.0	JEFFERSON	79	3.6	27.0	PETTIS	14	0.6
8.0	CASS	69	3.2	First Quartile			
9.0	PLATTE	61	2.8	-----			
10.0	ST. LOUIS CITY	58	2.7	Second Quartile			
11.0	BOONE	54	2.5	29.5	HENRY	13	0.6
12.0	PHELPS	40	1.8	29.5	LINCOLN	13	0.6
13.0	CAMDEN	31	1.4	31.0	MADISON	12	0.5
14.5	CHRISTIAN	25	1.1	32.0	CRAWFORD	11	0.5
14.5	WARREN	25	1.1	33.0	MISSISSIPPI	10	0.5
16.5	CAPE GIRARDEAU	22	1.0	35.0	CLINTON	9	0.4
16.5	JASPER	22	1.0	35.0	SALINE	9	0.4
18.0	LAFAYETTE	20	0.9	35.0	WAYNE	9	0.4
20.0	NEW MADRID	18	0.8	37.5	PEMISCOT	8	0.4
20.0	ST. FRANCOIS	18	0.8	37.5	TANEY	8	0.4
20.0	SHELBY	18	0.8	39.0	DALLAS	7	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
42.0	BENTON	6	0.3	78.5	MONROE	1	0.0
42.0	BUTLER	6	0.3	78.5	OZARK	1	0.0
42.0	COLE	6	0.3	78.5	PERRY	1	0.0
42.0	LIVINGSTON	6	0.3	78.5	RALLS	1	0.0
42.0	SCOTT	6	0.3	78.5	RANDOLPH	1	0.0
46.5	AUDRAIN	5	0.2	78.5	RAY	1	0.0
46.5	CARROLL	5	0.2	78.5	RIPLEY	1	0.0
46.5	POLK	5	0.2	78.5	SCHUYLER	1	0.0
46.5	STE. GENEVIEVE	5	0.2	78.5	STODDARD	1	0.0
51.5	DUNKLIN	4	0.2	78.5	SULLIVAN	1	0.0
51.5	HOWELL	4	0.2	78.5	TEXAS	1	0.0
51.5	LACLEDE	4	0.2	78.5	WRIGHT	1	0.0
51.5	NODAWAY	4	0.2	Third Quartile			
51.5	STONE	4	0.2	Fourth Quartile			
51.5	WEBSTER	4	0.2	102.5	ADAIR	0	0.0
58.0	HOLT	3	0.1	102.5	ATCHISON	0	0.0
58.0	MARION	3	0.1	102.5	BARRY	0	0.0
58.0	MONTGOMERY	3	0.1	102.5	CALDWELL	0	0.0
58.0	NEWTON	3	0.1	102.5	CARTER	0	0.0
58.0	PIKE	3	0.1	102.5	CHARITON	0	0.0
58.0	SHANNON	3	0.1	102.5	CLARK	0	0.0
58.0	WASHINGTON	3	0.1	102.5	DAVIESS	0	0.0
Second Quartile				102.5	DOUGLAS	0	0.0
Third Quartile				102.5	GASCONADE	0	0.0
64.5	BARTON	2	0.1	102.5	GENTRY	0	0.0
64.5	BATES	2	0.1	102.5	HARRISON	0	0.0
64.5	DENT	2	0.1	102.5	HICKORY	0	0.0
64.5	HOWARD	2	0.1	102.5	KNOX	0	0.0
64.5	MILLER	1	0.1	102.5	LINN	0	0.0
64.5	VERNON	2	0.1	102.5	MARIES	0	0.0
78.5	ANDREW	1	0.0	102.5	MERCER	0	0.0
78.5	BOLLINGER	1	0.0	102.5	MONITEAU	0	0.0
78.5	CEDAR	1	0.0	102.5	MORGAN	0	0.0
78.5	DADE	1	0.0	102.5	OREGON	0	0.0
78.5	DE KALB	1	0.0	102.5	OSAGE	0	0.0
78.5	GRUNDY	1	0.0	102.5	PUTNAM	0	0.0
78.5	IRON	1	0.0	102.5	REYNOLDS	0	0.0
78.5	LEWIS	1	0.0	102.5	ST. CLAIR	0	0.0
78.5	MCDONALD	1	0.0	102.5	SCOTLAND	0	0.0
78.5	MACON	1	0.0	102.5	WORTH	0	0.0

TABLE 3.12.19



**2009 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES**

**CITY LISTING**

<b>RANK</b>	<b>CITY</b>	<b>FREQUENCY</b>	<b>PERCENT<sup>1</sup></b>
1.0	KANSAS CITY	265	17.4
2.0	SPRINGFIELD	154	10.1
3.0	LEE'S SUMMIT	83	5.5
4.0	NORTH KANSAS CITY	78	5.1
5.0	ST. LOUIS	58	3.8
6.0	RICHMOND HEIGHTS	53	3.5
7.0	BELTON	50	3.3
8.0	COLUMBIA	44	2.9
9.5	INDEPENDENCE	42	2.8
9.5	ST. PETERS	42	2.8
11.5	GRANDVIEW	30	2.0
11.5	OAK GROVE	30	2.0
13.0	ST. CHARLES	24	1.6
15.0	LAKE ST. LOUIS	20	1.3
15.0	OSAGE BEACH	20	1.3
15.0	OZARK	20	1.3
17.0	JOPLIN	19	1.2
18.0	ROLLA	18	1.2
20.0	CAPE GIRARDEAU	15	1.0
20.0	PINE LAWN	15	1.0
20.0	WASHINGTON	15	1.0

<sup>1</sup>Percentage is based on construction / other work zone involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.0% or more of these crashes are listed.

**TABLE 3.12.20**

### 3.13 SEAT BELT USAGE

***This section presents a series of data displays identifying the seat belt usage rates of drivers and injured passengers in automobiles, trucks, vans, and motor homes in Missouri traffic crashes. Most of the data displays focus on only the driver. Data on the seat belt usage rates of both injured and uninjured drivers were available for analysis. In the case of passengers, data were only available for those injured in the traffic crash. Injured passenger seat belt usage rates are not indicative of seat belt usage rates of all passengers in traffic crashes.***

***There are other limitations to the data presented in this section. In a large number of cases, driver and injured passenger seat belt usage information was not reported by the investigating officer. In the following data displays, the number of cases where seat belt usage information was not known is presented but excluded when calculating seat belt usage rates (Row %).***

***In addition, in cases where the investigating officer does report driver and injured passenger seat belt use, the officer is relying on the word of the person in most instances.***

***As a result of these limiting factors, it is expected that the actual seat belt usage rates in Missouri's 2009 traffic crashes are somewhat less than the findings in this section would indicate. These limiting factors should be taken into consideration when viewing these statistics.***

#### 2009 SUMMARY ANALYSIS

- Of the drivers of automobiles, trucks, vans, and motor homes killed in 2009 Missouri traffic crashes, 32.8% were wearing seat belts. Of the passengers killed in these types of vehicles, 38.0% wore their seat belt. For drivers involved in traffic crashes not killed or injured, 97.3% were wearing their seat belt at the time of the crash.
- A driver in a 2009 Missouri traffic crash had a 1 in 2 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt their chances of being injured in the crash were 1 in 8. When examining driver deaths, the differences are much more dramatic. A driver in a 2009 Missouri traffic crash had a 1 in 30 chance of being killed if they were not wearing a seat belt. In those cases where a driver wore a seat belt, their chance of being killed was 1 in 1,336.
- Of those drivers totally ejected from their vehicle, 3.1% were wearing their seat belts. Of those partially ejected, 45.2% were wearing seat belts. Of those not ejected, 95.8% were wearing seat belts.
- Of Missouri licensed drivers in 2009 traffic crashes, 95.7% were wearing seat belts compared to 97.9% of drivers licensed in other states. Only 79.0% of unlicensed drivers were wearing seat belts at the time of the crash.

## 2009 MISSOURI TRAFFIC CRASHES

### DRIVERS AND PASSENGERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

#### PERSONAL INJURY SEVERITY BY SEAT BELT USAGE

WEARING		NOT WEARING		UNKNOWN		TOTAL	
KILLED							
DRIVER	153		314		32		499
ROW %		32.8		67.2		-	100.0
PASSENGER	68		111		15		194
ROW %		38.0		62.0		-	100.0
MAJOR DISABLING INJURY							
DRIVER	2,302		1,072		317		3,691
ROW %		68.2		31.8		-	100.0
PASSENGER	906		631		126		1,663
ROW %		59.0		41.1		-	100.0
EVIDENT INJURY							
DRIVER	9,443		2,199		1,353		12,995
ROW %		81.1		18.9		-	100.0
PASSENGER	3,742		1,286		551		5,579
ROW %		74.4		25.6		-	100.0
PROBABLE INJURY							
DRIVER	14,296		966		1,440		16,702
ROW %		93.7		6.3		-	100.0
PASSENGER	6,612		708		845		8,165
ROW %		90.3		9.7		-	100.0
NOT INJURED							
DRIVER	178,187		4,980		20,008		203,175
ROW %		97.3		2.7		-	100.0
PASSENGER <sup>1</sup>	74,408	-	3,297	-	6,136	-	83,841
							-
INJURY UNKNOWN							
DRIVER	1,067		102		13,950		15,119
ROW %		91.3		8.7		-	100.0
PASSENGER <sup>1</sup>	438	-	34	-	528	-	1,000
							-

<sup>1</sup>Data on all passengers of vehicles not injured or whose injury level is unknown in Missouri crashes are not available in the Statewide Traffic Accident Records System (STARS). As a result, these statistics have been excluded.

**TABLE 3.13.1**

## 2009 MISSOURI TRAFFIC CRASHES

### DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

#### AREA CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
URBAN ROW %	140,935	97.1	4,243	2.9	29,090	-	174,268	100.0
RURAL ROW %	64,513	92.3	5,390	7.7	8,010	-	77,913	100.0
<b>TOTAL ROW %</b>	<b>205,448</b>	<b>95.5</b>	<b>9,633</b>	<b>4.5</b>	<b>37,100</b>	<b>-</b>	<b>252,181</b>	<b>100.0</b>

TABLE 3.13.2

## 2009 MISSOURI TRAFFIC CRASHES

### DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

#### WEATHER CONDITIONS BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
CLEAR ROW %	121,211	95.4	5,797	4.6	24,301	-	151,309	100.0
CLOUDY ROW %	56,675	95.2	2,868	4.8	7,465	-	67,008	100.0
RAIN ROW %	17,372	96.9	553	3.1	3,192	-	21,117	100.0
SNOW ROW %	4,325	96.7	149	3.3	852	-	5,326	100.0
SLEET ROW %	625	96.2	25	3.9	89	-	739	100.0
FREEZING ROW %	996	94.6	57	5.4	228	-	1,281	100.0
FOG OR MIST ROW %	805	90.9	81	9.1	149	-	1,035	100.0
INDETERMINATE ROW %	1,731	96.3	67	3.7	716	-	2,514	100.0
UNKNOWN ROW %	1,708	97.9	36	2.1	108	-	1,852	100.0
<b>TOTAL ROW %</b>	<b>205,448</b>	<b>95.5</b>	<b>9,633</b>	<b>4.5</b>	<b>37,100</b>	<b>-</b>	<b>252,181</b>	<b>100.0</b>

TABLE 3.13.3

# 2009 MISSOURI TRAFFIC CRASHES

## DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

### HIGHWAY CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
INTERSTATE	26,544		656		3,817		31,017	
ROW %		97.6		2.4		-		100.0
U.S. HIGHWAY	21,980		1,060		2,058		25,098	
ROW %		95.4		4.6		-		100.0
STATE NUMBERED	33,836		1,698		3,047		38,581	
ROW %		95.2		4.8		-		100.0
SINGLE STATE LETTERED	9,480		935		752		11,167	
ROW %		91.0		9.0		-		100.0
DOUBLE STATE LETTERED	4,367		396		494		5,257	
ROW %		91.7		8.3		-		100.0
OUTER ROAD	1,753		63		166		1,982	
ROW %		96.5		3.5		-		100.0
COUNTY ROAD	12,624		1,396		1,921		15,941	
ROW %		90.0		10.0		-		100.0
CITY STREET	89,006		3,160		23,589		115,755	
ROW %		96.6		3.4		-		100.0
INTERSTATE LOOP	703		21		88		812	
ROW %		97.1		2.9		-		100.0
OTHER <sup>1</sup>	5,155		248		1,168		6,571	
ROW %		95.4		4.6		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 3.13.4**

# 2009 MISSOURI TRAFFIC CRASHES

## DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

### MONTH OF YEAR BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
JANUARY	15,996		795		2,966		19,757	
ROW %		95.3		4.7		-		100.0
FEBRUARY	14,519		766		2,649		17,934	
ROW %		95.0		5.0		-		100.0
MARCH	15,767		791		2,941		19,499	
ROW %		95.2		4.8		-		100.0
APRIL	16,943		799		3,228		20,970	
ROW %		95.5		4.5		-		100.0
MAY	17,870		886		3,259		22,015	
ROW %		95.3		4.7		-		100.0
JUNE	17,120		736		3,032		20,888	
ROW %		95.9		4.1		-		100.0
JULY	16,583		763		3,107		20,453	
ROW %		95.6		4.4		-		100.0
AUGUST	16,764		818		3,064		20,646	
ROW %		95.4		4.7		-		100.0
SEPTEMBER	17,000		823		3,203		21,026	
ROW %		95.4		4.6		-		100.0
OCTOBER	19,968		841		3,467		24,276	
ROW %		96.0		4.0		-		100.0
NOVEMBER	17,514		776		2,960		21,250	
ROW %		95.8		4.2		-		100.0
DECEMBER	19,404		839		3,224		23,467	
ROW %		95.9		4.1		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
ROW %		95.5		4.5		-		100.0

TABLE 3.13.5

**2009 MISSOURI TRAFFIC CRASHES**  
**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**  
**DAY OF WEEK BY SEAT BELT USAGE**

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
SUNDAY	17,741		1,157		4,125		23,023	
ROW %		93.9		6.1		-		100.0
MONDAY	29,791		1,303		4,903		35,997	
ROW %		95.8		4.2		-		100.0
TUESDAY	32,017		1,295		5,292		38,604	
ROW %		96.1		3.9		-		100.0
WEDNESDAY	31,494		1,351		5,111		37,956	
ROW %		95.9		4.1		-		100.0
THURSDAY	32,095		1,383		5,656		39,134	
ROW %		95.9		4.1		-		100.0
FRIDAY	36,872		1,612		6,480		44,964	
ROW %		95.8		4.2		-		100.0
SATURDAY	25,418		1,532		5,468		32,418	
ROW %		94.3		5.7		-		100.0
UNKNOWN	20		0		65		85	
ROW %		100.0		0.0		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

**TABLE 3.13.6**

**2009 MISSOURI TRAFFIC CRASHES**

**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**

**HOUR OF DAY BY SEAT BELT USAGE**

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
12:01A - 02:59A ROW %	5,765	86.4	906	13.6	2,958	9,629	100.0
03:00A - 05:59A ROW %	3,701	88.8	467	11.2	1,341	5,509	100.0
06:00A - 08:59A ROW %	25,700	96.5	930	3.5	3,634	30,264	100.0
09:00A - 11:59A ROW %	30,072	96.0	1,243	4.0	4,419	35,734	100.0
NOON - 02:59P ROW %	43,152	96.3	1,641	3.7	6,409	51,202	100.0
03:00P - 05:59P ROW %	58,660	96.6	2,066	3.4	9,105	69,831	100.0
06:00P - 08:59P ROW %	25,402	95.2	1,293	4.8	5,180	31,875	100.0
09:00P - MIDNGT ROW %	12,644	92.3	1,051	7.7	3,593	17,288	100.0
UNKNOWN ROW %	352	90.7	36	9.3	461	849	100.0
<b>TOTAL ROW %</b>	205,448	95.5	9,633	4.5	37,100	252,181	100.0

**TABLE 3.13.7**



**2009 MISSOURI TRAFFIC CRASHES**

**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**

**SEX OF DRIVER BY SEAT BELT USAGE**

	<b>WEARING</b>		<b>NOT WEARING</b>		<b>UNKNOWN</b>		<b>TOTAL</b>	
MALE	109,076		6,384		15,006		130,466	
ROW %		94.5		5.5		-		100.0
FEMALE	94,929		3,218		10,132		108,279	
ROW %		96.7		3.3		-		100.0
UNKNOWN	1,443		31		11,962		13,436	
ROW %		97.9		2.1		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

**TABLE 3.13.8**

**2009 MISSOURI TRAFFIC CRASHES**

**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**

**DRIVER EJECTION BY SEAT BELT USAGE**

	<b>WEARING</b>		<b>NOT WEARING</b>		<b>UNKNOWN</b>		<b>TOTAL</b>	
TOTAL EJECTION	14		437		28		479	
ROW %		3.1		96.9		-		100.0
PARTIAL EJECTION	194		110		35		339	
ROW %		63.8		36.2		-		100.0
NO EJECTION	203,191		8,999		25,023		237,213	
ROW %		95.8		4.2		-		100.0
UNKNOWN	2,049		87		12,014		14,150	
ROW %		95.9		4.1		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

**TABLE 3.13.9**

# 2009 MISSOURI TRAFFIC CRASHES

## DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

### AGE OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AVERAGE AGE OF DRIVER	38.8	-	34.1	-	37.3	-	38.5	-
14 YEARS AND UNDER ROW %	20	51.3	19	48.7	22	-	61	100.0
15 - 20 YEARS ROW %	34,326	94.1	2,152	5.9	3,505	-	39,983	100.0
21 - 25 YEARS ROW %	26,910	93.7	1,796	6.3	3,531	-	32,237	100.0
26 - 30 YEARS ROW %	21,895	94.8	1,204	5.2	2,816	-	25,915	100.0
31 - 35 YEARS ROW %	17,587	95.7	797	4.3	2,072	-	20,456	100.0
36 - 40 YEARS ROW %	17,122	96.2	673	3.8	1,967	-	19,762	100.0
41 - 45 YEARS ROW %	16,440	96.3	640	3.8	1,868	-	18,948	100.0
46 - 50 YEARS ROW %	17,125	96.7	587	3.3	1,810	-	19,522	100.0
51 - 55 YEARS ROW %	15,152	96.7	525	3.4	1,449	-	17,126	100.0
56 - 60 YEARS ROW %	12,051	97.1	355	2.9	1,171	-	13,577	100.0
61 - 65 YEARS ROW %	9,005	97.3	249	2.7	820	-	10,074	100.0
66 YEARS AND OVER ROW %	17,272	97.0	544	3.1	1,480	-	19,296	100.0
UNKNOWN ROW %	543	85.5	92	14.5	14,589	-	15,224	100.0
TOTAL ROW %	205,448	95.5	9,633	4.5	37,100	-	252,181	100.0

TABLE 3.13.10

# 2009 MISSOURI TRAFFIC CRASHES

## DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

### DRIVER'S LICENSE STATE AND TYPE BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
MISSOURI								
LEARNER'S PERMIT	856		49		144		1,049	
ROW %		94.6		5.4		-		100.0
OPERATOR'S LICENSE	164,758		7,336		16,503		188,597	
ROW %		80.2		4.3		-		100.0
MOTORCYCLE ONLY	3		0		1		4	
ROW %		100.0		0.0		-		100.0
COMMERCIAL DRIVER'S LICENSE	10,071		592		949		11,612	
ROW %		94.5		5.6		-		100.0
SUBTOTAL	175,688		7,977		17,597		201,262	
ROW %		95.7		4.3		-		100.0
OUT STATE								
LEARNER'S PERMIT	36		0		2		38	
ROW %		100.0		0.0		-		100.0
OPERATOR'S LICENSE	17,740		397		1,940		20,077	
ROW %		97.8		4.1		-		100.0
MOTORCYCLE ONLY	1		0		0		1	
ROW %		100.0		0.0		-		100.0
COMMERCIAL DRIVER'S LICENSE	3,220		61		296		3,577	
ROW %		98.1		1.9		-		100.0
SUBTOTAL	20,997		458		2,238		23,693	
ROW %		97.9		2.1		-		100.0
UNLICENSED	3,405		903		1,251		5,559	
ROW %		79.0		21.0		-		100.0
UNKNOWN	5,358		295		16,014		21,667	
ROW %		94.8		5.2		-		100.0
TOTAL	205,448		9,633		37,100		252,181	
ROW %		95.5		4.5		-		100.0

TABLE 3.13.11

**2009 MISSOURI TRAFFIC CRASHES**

**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**

**TYPE OF VEHICLE DRIVEN BY SEAT BELT USAGE**

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AUTOMOBILE	116,471		4,859		21,601		142,931	
ROW %		96.0		4.0		-		100.0
SPORT UTILITY VEHICLE	35,345		1,285		5,522		42,152	
ROW %		96.5		3.5		-		100.0
LIMOUSINE	40		1		17		58	
ROW %		97.6		2.4		-		100.0
VAN	14,115		457		2,258		16,830	
ROW %		96.9		3.1		-		100.0
MOTOR HOME / CAMPER	106		3		20		129	
ROW %		97.3		2.8		-		100.0
TRUCK	39,371		3,028		7,682		50,081	
ROW %		92.9		7.1		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

**TABLE 3.13.12**

**2009 MISSOURI TRAFFIC CRASHES**

**DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES**

**DRIVER INTOXICATION BY SEAT BELT USAGE**

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
DRINKING	2,998		1,550		1,929		6,477	
ROW %		65.9		34.1		-		100.0
DRUGS	384		189		197		770	
ROW %		67.0		33.0		-		100.0
DRINKING AND DRUGS	158		126		135		419	
ROW %		55.6		44.4		-		100.0
NO DRINKING / DRUGS	199,332		7,676		32,742		239,750	
ROW %		96.3		3.7		-		100.0
UNKNOWN	2,576		92		2,097		4,765	
ROW %		96.6		3.5		-		100.0
<b>TOTAL</b>	205,448		9,633		37,100		252,181	
<b>ROW %</b>		95.5		4.5		-		100.0

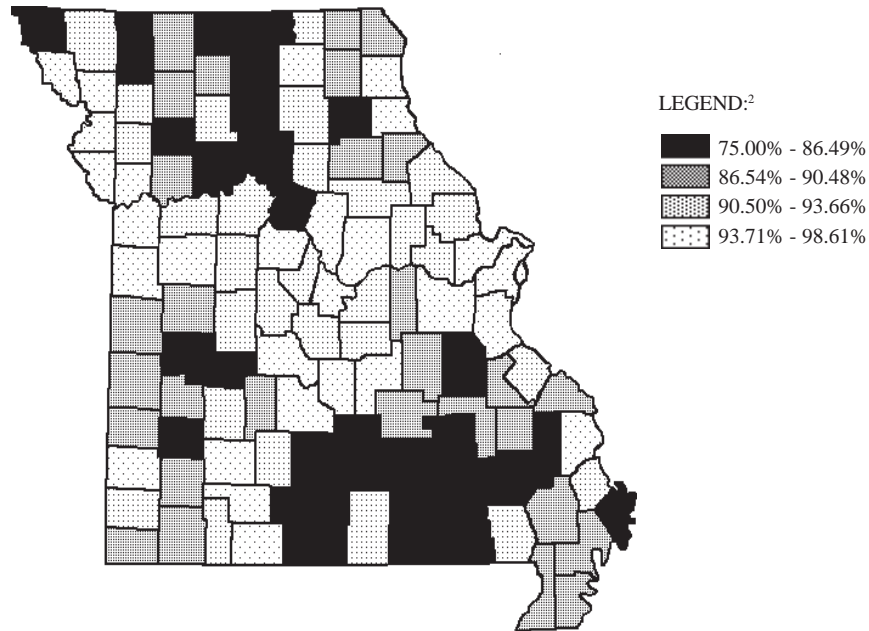
**TABLE 3.13.13**

## 2009 MISSOURI TRAFFIC CRASHES

### DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

#### SEAT BELT USAGE RATES<sup>1</sup>

#### COUNTY QUARTILE ANALYSIS



<sup>1</sup> LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
1.0	CHARITON	75.00	22.0	PUTNAM	85.37
2.0	SULLIVAN	75.40	23.0	WORTH	85.71
3.0	OZARK	76.72	24.0	WRIGHT	86.06
4.0	SHANNON	76.97	25.0	HICKORY	86.09
5.0	MISSISSIPPI	79.92	26.0	CARROLL	86.34
6.5	GENTRY	80.23	27.0	ATCHISON	86.47
6.5	ST. CLAIR	80.23	28.0	SHELBY	86.49
8.0	MERCER	81.03	First Quartile		
9.0	CARTER	81.63	Second Quartile		
10.0	RIPLEY	81.82	29.0	KNOX	86.54
11.0	REYNOLDS	82.93	30.0	CEDAR	86.60
12.0	LINN	83.11	31.0	RAY	86.94
13.0	WAYNE	83.33	32.0	NEW MADRID	87.16
14.0	DOUGLAS	83.71	33.0	PEMISCOT	87.38
15.0	DADE	83.87	34.0	DENT	87.39
16.0	OREGON	84.00	35.0	BARRY	87.54
17.0	BOLLINGER	84.43	36.0	MADISON	87.85
18.0	HOWARD	84.50	37.0	STODDARD	87.91
19.0	CALDWELL	84.53	38.0	HENRY	87.96
20.0	TEXAS	84.85	39.0	HARRISON	88.16
21.0	WASHINGTON	84.95			

RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
40.0	RALLS	88.21	78.0	AUDRAIN	92.38
41.0	DAVISS	88.24	79.0	MONITEAU	92.71
42.0	CLARK	88.29	80.0	SALINE	92.79
43.0	BARTON	88.40	81.0	PIKE	92.83
44.0	DALLAS	88.51	82.0	BUTLER	92.91
45.0	IRON	88.55	83.0	LAFAYETTE	92.98
46.0	CRAWFORD	89.11	84.0	MILLER	93.56
47.0	GRUNDY	89.38	85.0	SCOTT	93.65
48.0	MC DONALD	89.67	86.0	WARREN	93.66
49.0	GASCONADE	89.72	Third Quartile		
50.0	DUNKLIN	89.80	Fourth Quartile		
51.0	VERNON	89.87	87.0	HOLT	93.71
52.0	BATES	90.15	88.0	ANDREW	93.86
53.0	ST. FRANCOIS	90.17	89.5	CALLAWAY	94.00
54.0	LAWRENCE	90.32	89.5	FRANKLIN	94.00
55.0	PERRY	90.38	91.0	COLE	94.17
56.5	MONROE	90.48	92.0	LEWIS	94.26
56.5	SCOTLAND	90.48	93.0	BUCHANAN	94.64
		Second Quartile	94.5	ADAIR	94.65
		Third Quartile	94.5	LACLEDE	94.65
58.5	HOWELL	90.50	96.0	TANEY	94.98
58.5	MORGAN	90.50	97.0	CASS	95.04
60.0	NEWTON	90.60	98.0	JASPER	95.13
61.0	DE KALB	90.61	99.0	CAMDEN	95.15
62.0	POLK	90.76	100.0	JEFFERSON	95.27
63.0	STE. GENEVIEVE	90.82	101.0	MARION	95.35
64.0	PETTIS	90.86	102.0	JOHNSON	95.49
65.0	OSAGE	91.05	103.0	PHELPS	95.51
66.0	BENTON	91.17	104.0	CHRISTIAN	95.76
67.0	LIVINGSTON	91.35	105.0	COOPER	95.77
68.0	CLINTON	91.52	106.0	PULASKI	96.23
69.0	MONTGOMERY	91.55	107.0	JACKSON	96.30
70.0	STONE	91.59	108.0	BOONE	96.36
71.0	LINCOLN	91.64	109.0	CLAY	96.51
72.0	WEBSTER	91.66	110.0	GREENE	96.69
73.0	NODAWAY	91.81	111.0	CAPE GIRARDEAU	96.74
74.0	MARIES	91.82	112.0	ST. CHARLES	97.08
75.0	SCHUYLER	91.84	113.0	PLATTE	97.52
76.0	MACON	91.92	114.0	ST. LOUIS	98.13
77.0	RANDOLPH	92.13	115.0	ST. LOUIS CITY	98.61

<sup>1</sup> This table contains a ranking of Missouri counties by the driver seat belt usage rates associated with 2009 traffic crashes. Drivers whose seat belt usage was unknown have been excluded. Counties have been ranked based upon the worst driver usage rates. (Chariton County is first due to its having the lowest usage rate of all counties in the State. Only 75.00% of the drivers involved in crashes in Chariton County were wearing seat belts).

**TABLE 3.13.14**

**AUTOMOBILE / TRUCK / VAN / MOTOR HOME OCCUPANTS UNDER THE AGE OF FOUR YEARS**

**KILLED AND INJURED IN MISSOURI TRAFFIC CRASHES**

**1981-1983 AVERAGE COMPARED TO 1984-2008 AVERAGE AND 2009<sup>1</sup>**

	<b>1981 - 1983 AVERAGE</b>	<b>1984 - 2008 AVERAGE</b>	<b>% OF CHANGE 1981 - 1983 AVERAGE</b>	<b>2009</b>	<b>% OF CHANGE 1981 - 1983 AVERAGE</b>
KILLED	11	10	- 9.1	4	-63.6
MAJOR DISABLING	71	74	+ 4.2	25	-64.8
EVIDENT	626	430	- 31.3	202	-67.7
PROBABLE	464	492	+ 6.0	366	-21.1
<b>TOTAL</b>	<b>1,172</b>	<b>1,005</b>	<b>- 14.2</b>	<b>597</b>	<b>-49.1</b>

<sup>1</sup>1981 - 1983 data concerning occupants under the age of four years were used as a base for this comparison due to the fact that infant restraint legislation was enacted in the State of Missouri in January of 1984.

**TABLE 3.13.15**

#### **4.0 MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS**

*A SERIES OF TABLES SUMMARIZES 2009 TRAFFIC CRASH ACTIVITY ASSOCIATED WITH ALL COUNTIES, AS WELL AS ALL CITIES HAVING POPULATIONS OF 1,000 OR MORE IN THE STATE OF MISSOURI. IN ADDITION, THE TABLES DISPLAY THE PROPORTION OF EACH COMMUNITY'S TRAFFIC CRASH ACTIVITY RELATED TO THE PROBLEM AREAS DISCUSSED IN SECTION 3.0 OF THIS COMPENDIUM WITH THE EXCEPTION OF SEAT BELT USAGE. PLEASE NOTE THAT ALL 2009 TRAFFIC CRASHES OCCURRING IN A GIVEN COMMUNITY ARE DISPLAYED REGARDLESS OF THE LAW ENFORCEMENT AGENCY THAT INVESTIGATED THE TRAFFIC CRASH.*



**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
ADAIR CO	FATAL	3	0	1	0	2	0	0	0	0	0	1	0	0
	INJURY	119	22	7	44	35	5	7	0	3	2	31	0	0
	DAMAGE	253	31	19	78	77	13	0	1	0	0	46	0	0
	TOTAL	375	53	27	122	114	18	7	1	3	2	78	0	0
KIRKSVILLE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	81	14	3	35	30	1	3	0	3	2	11	0	0
	DAMAGE	198	19	17	64	63	9	0	1	0	0	21	0	0
	TOTAL	280	33	20	99	94	10	3	1	3	2	32	0	0
POP UNDER 1000	FATAL	2	0	1	0	1	0	0	0	0	0	1	0	0
	INJURY	38	8	4	9	5	4	4	0	0	0	20	0	0
	DAMAGE	55	12	2	14	14	4	0	0	0	0	25	0	0
	TOTAL	95	20	7	23	20	8	4	0	0	0	46	0	0
ANDREW CO	FATAL	2	0	0	1	0	1	0	0	0	1	0	1	0
	INJURY	82	24	15	27	24	7	4	2	1	0	25	0	1
	DAMAGE	219	66	8	65	52	29	0	1	0	0	64	0	0
	TOTAL	303	90	23	93	76	37	4	3	1	1	89	1	1
COUNTRY CLUB VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	1	0	1	0	0	0	1	0	0
	DAMAGE	17	7	1	9	6	2	0	0	0	0	6	0	0
	TOTAL	19	8	1	9	7	2	1	0	0	0	7	0	0
SAVANNAH	DAMAGE	1694	174	95	415	490	116	9	4	2	0	269	0	11
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	1	6	1	0	0	0	1	0	1	0	0
	DAMAGE	54	7	2	24	19	3	0	0	0	0	2	0	0
POP UNDER 1000	TOTAL	62	8	3	30	20	3	0	0	1	0	3	0	0
	FATAL	2	0	0	1	0	1	0	0	0	1	0	1	0
	INJURY	72	22	14	21	22	7	3	2	0	0	23	0	1
	DAMAGE	147	51	5	32	27	24	0	1	0	0	56	0	0
ATCHISON CO	TOTAL	221	73	19	54	49	32	3	3	0	1	79	1	1
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	16	5	4	7	2	1	1	0	1	17	0	0
	DAMAGE	86	29	4	17	16	19	0	0	0	0	36	0	0
ROCKPORT	TOTAL	120	45	9	21	23	21	1	1	0	1	53	0	0
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	2	0	0	0	0	0	0	0	0
	DAMAGE	9	1	0	2	0	2	0	0	0	0	3	0	0
TARKIO	TOTAL	11	1	0	2	2	2	0	0	0	0	3	0	0
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	0	0	3	1	0	0	0	0	0	0	0	0
POP UNDER 1000	TOTAL	7	0	0	3	1	0	0	0	0	0	0	0	0
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	16	5	4	5	2	1	1	0	1	17	0	0
	DAMAGE	70	28	4	12	15	17	0	0	0	0	33	0	0
AUDRAIN CO	TOTAL	102	44	9	16	20	19	1	1	0	1	50	0	0
	FATAL	3	1	1	1	1	1	0	0	0	0	1	0	0
	INJURY	114	34	10	38	31	6	5	1	1	2	46	0	2
	DAMAGE	318	50	12	91	115	32	1	3	0	0	71	1	3
MEXICO	TOTAL	435	85	23	130	147	39	6	4	1	2	118	1	5
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	5	0	10	11	2	1	1	1	2	2	0	1
	DAMAGE	167	11	4	46	66	14	0	2	0	0	17	0	1
VANDALIA	TOTAL	201	16	4	56	77	16	1	3	1	2	19	0	2
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	2	1	0	0	0	0	0	0	0	0
	DAMAGE	23	0	1	8	11	1	0	0	0	0	2	0	0
POP UNDER 1000	TOTAL	25	1	1	10	12	1	0	0	0	0	2	0	0
	FATAL	3	1	1	1	1	1	0	0	0	0	1	0	0
	INJURY	78	28	10	26	19	4	4	0	0	0	44	0	1
	DAMAGE	128	39	7	37	38	17	1	1	0	0	52	1	2
BARRY CO	TOTAL	209	68	18	64	58	22	5	1	0	0	97	1	3
	FATAL	11	6	4	0	5	3	2	0	0	0	4	0	0
	INJURY	193	82	36	54	44	14	12	1	2	2	82	0	0
	DAMAGE	494	118	41	119	138	49	5	2	0	0	159	1	0
	TOTAL	698	206	81	173	187	66	19	3	2	2	245	1	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
CASSVILLE	FATAL	2	1	0	0	1	0	1	0	0	0	1	0	0
	INJURY	23	3	1	12	5	3	0	0	0	1	6	0	0
	DAMAGE	84	4	0	22	37	9	0	0	0	0	10	0	0
	TOTAL	109	8	1	34	43	12	1	0	0	1	17	0	0
MONETT/BAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	2	1	6	4	3	1	0	2	0	4	0	0
	DAMAGE	136	15	8	40	45	15	2	1	0	0	23	0	0
	TOTAL	158	17	9	46	49	18	3	1	2	0	27	0	0
PURDY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	1	1	0	0	0	0	0	0	0
	DAMAGE	6	1	1	1	2	2	0	0	0	0	2	0	0
	TOTAL	9	1	1	1	3	3	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	9	5	4	0	4	3	1	0	0	0	3	0	0
	INJURY	145	77	34	36	34	7	11	1	0	1	72	0	0
	DAMAGE	268	98	32	56	54	23	3	1	0	0	124	1	0
	TOTAL	422	180	70	92	92	33	15	2	0	1	199	1	0
BARTON CO	FATAL	4	3	0	2	1	0	0	0	0	0	3	0	0
	INJURY	54	16	7	17	17	7	0	1	0	2	19	0	1
	DAMAGE	129	22	4	30	35	16	0	1	0	0	42	1	1
	TOTAL	187	41	11	49	53	23	0	2	0	2	64	1	2
LAMAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	3	1	6	6	1	0	0	0	1	1	0	0
	DAMAGE	44	3	1	11	13	4	0	0	0	0	6	0	0
	TOTAL	58	6	2	17	19	5	0	0	0	1	7	0	0
POP UNDER 1000	FATAL	4	3	0	2	1	0	0	0	0	0	3	0	0
	INJURY	40	13	6	11	11	6	0	1	0	1	18	0	1
	DAMAGE	85	19	3	19	22	12	0	1	0	0	36	1	1
	TOTAL	129	35	9	32	34	18	0	2	0	1	57	1	2
BATES CO	FATAL	2	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	63	19	8	11	11	9	5	0	1	1	29	0	0
	DAMAGE	196	44	8	41	65	28	0	2	1	0	58	0	2
	TOTAL	261	64	17	52	76	37	5	2	2	1	87	0	2
ADRIAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	0	1	2	2	1	0	0	1	0	2	0	0
	TOTAL	7	0	1	2	2	1	0	0	1	0	2	0	0
BUTLER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	1	0	2	4	0	2	0	0	1	1	0	0
	DAMAGE	50	3	2	13	22	6	0	1	0	0	6	0	0
	TOTAL	61	4	2	15	26	6	2	1	0	1	7	0	0
DREXEL/BAT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	1	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	1	0	0	0	0	0	0	0	0	0
RICHHILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	0	0	0	0	1	0	0	0	0
	DAMAGE	3	0	0	1	2	0	0	0	0	0	1	0	0
	TOTAL	5	0	1	1	2	0	0	0	1	0	1	0	0
POP UNDER 1000	FATAL	2	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	50	18	7	9	7	9	3	0	0	0	28	0	0
	DAMAGE	135	41	5	24	39	21	0	1	0	0	49	0	2
	TOTAL	187	60	13	33	46	30	3	1	0	0	77	0	2
BENTON CO	FATAL	5	0	0	1	4	0	0	0	0	1	1	0	0
	INJURY	114	38	11	32	35	4	10	0	0	1	47	0	3
	DAMAGE	278	65	15	60	94	20	3	0	0	0	104	0	3
	TOTAL	397	103	26	93	133	24	13	0	0	2	152	0	6
COLE CAMP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	3	1	0	1	0	0	0	1	0	0
	DAMAGE	12	0	0	3	4	1	0	0	0	0	0	0	0
	TOTAL	16	0	0	6	5	1	1	0	0	0	1	0	0
LINCOLN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	3	0	0	0	0	0	0	0	0
	DAMAGE	19	0	0	3	8	2	0	0	0	0	7	0	0
	TOTAL	23	0	0	4	11	2	0	0	0	0	7	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
WARSAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	0	0	5	0	1	0	0	0	0	0	0
	DAMAGE	28	4	0	7	12	0	1	0	0	0	4	0	0
	TOTAL	38	5	0	7	17	0	2	0	0	0	4	0	0
POP UNDER 1000	FATAL	5	0	0	1	4	0	0	0	0	1	1	0	0
	INJURY	96	37	11	28	26	4	8	0	0	1	46	0	3
	DAMAGE	219	61	15	47	70	17	2	0	0	0	93	0	3
	TOTAL	320	98	26	76	100	21	10	0	0	2	140	0	6
BOLLINGER CO	FATAL	2	1	0	1	0	1	0	0	0	0	1	0	0
	INJURY	63	19	6	18	16	2	5	1	1	0	39	0	1
	DAMAGE	126	34	9	37	32	7	1	1	0	0	52	0	0
	TOTAL	191	54	15	56	48	10	6	2	1	0	92	0	1
MARBLE HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	2	0	0	0	0	0	0	2	0	0
	DAMAGE	24	4	0	11	9	0	0	0	0	0	1	0	0
	TOTAL	28	4	0	13	9	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	2	1	0	1	0	1	0	0	0	0	1	0	0
	INJURY	59	19	6	16	16	2	5	1	1	0	37	0	1
	DAMAGE	102	30	9	26	23	7	1	1	0	0	51	0	0
	TOTAL	163	50	15	43	39	10	6	2	1	0	89	0	1
BOONE CO	FATAL	17	10	5	1	5	1	1	0	0	1	11	0	0
	INJURY	918	168	79	294	210	57	50	8	20	32	184	0	15
	DAMAGE	2632	308	120	818	627	182	11	13	3	2	397	3	39
	TOTAL	3567	486	204	1113	842	240	62	21	23	35	592	3	54
ASHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	3	1	1	2	0	0	0	0	1	2	0	0
	DAMAGE	38	9	0	12	9	3	0	1	0	0	12	0	0
	TOTAL	45	12	1	13	11	3	0	1	0	1	14	0	0
CENTRALIA/BOO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	0	3	3	0	0	0	0	1	2	0	0
	DAMAGE	48	5	2	19	13	4	0	0	0	0	13	0	0
	TOTAL	58	7	2	22	16	4	0	0	0	1	15	0	0
COLUMBIA	FATAL	10	6	3	0	3	1	0	0	0	1	6	0	0
	INJURY	686	100	48	232	172	39	33	7	19	23	82	0	14
	DAMAGE	2084	203	91	695	493	115	6	12	3	2	220	2	30
	TOTAL	2780	309	142	927	668	155	39	19	22	26	308	2	44
POP UNDER 1000	FATAL	7	4	2	1	2	0	1	0	0	0	5	0	0
	INJURY	215	63	30	58	33	18	17	1	1	7	98	0	1
	DAMAGE	462	91	27	92	112	60	5	0	0	0	152	1	9
	TOTAL	684	158	59	151	147	78	23	1	1	7	255	1	10
BUCHANAN CO	FATAL	9	2	3	3	2	0	4	0	0	0	5	0	0
	INJURY	770	104	57	246	228	31	38	4	7	19	126	0	4
	DAMAGE	1893	239	99	450	543	158	9	4	2	0	350	0	13
	TOTAL	2672	345	159	699	773	189	51	8	9	19	481	0	17
GOWER/BUC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	1	0	0	0	0	0	2	0	0
	TOTAL	3	1	0	1	1	0	0	0	0	0	2	0	0
ST. JOSEPH	FATAL	3	1	1	1	1	0	2	0	0	0	2	0	0
	INJURY	689	83	46	224	212	24	32	3	7	19	87	0	1
	DAMAGE	2386	258	142	640	703	140	43	7	9	19	358	0	12
	TOTAL	2386	258	142	640	703	140	43	7	9	19	358	0	12
POP UNDER 1000	FATAL	6	1	2	2	1	0	2	0	0	0	3	0	0
	INJURY	81	21	11	22	16	7	6	1	0	0	39	0	3
	DAMAGE	197	65	4	34	52	42	0	0	0	0	79	0	2
	TOTAL	284	87	17	58	69	49	8	1	0	0	121	0	5
BUTLER CO	FATAL	11	3	5	3	1	2	1	0	0	2	5	0	0
	INJURY	357	65	34	93	103	10	17	1	5	8	84	0	1
	DAMAGE	984	114	32	245	314	66	6	6	0	2	145	0	5
	TOTAL	1352	182	71	341	418	78	24	7	5	12	234	0	6
POPLAR BLUFF	FATAL	2	1	1	2	0	0	0	0	0	1	0	0	0
	INJURY	209	20	14	54	69	4	4	1	5	6	24	0	1
	DAMAGE	704	55	11	187	248	31	6	3	0	0	57	0	5
	TOTAL	915	76	26	243	317	35	10	4	5	7	81	0	6

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
POP UNDER 1000	FATAL	9	2	4	1	1	2	1	0	0	1	5	0	0
	INJURY	148	45	20	39	34	6	13	0	0	2	60	0	0
	DAMAGE	280	59	21	58	66	35	0	3	0	2	88	0	0
	TOTAL	437	106	45	98	101	43	14	3	0	5	153	0	0
CALDWELL CO	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	46	18	8	20	4	2	1	0	1	1	22	0	0
	DAMAGE	96	27	1	19	23	14	0	0	0	0	32	0	0
	TOTAL	143	45	9	39	28	16	1	0	1	1	54	0	0
HAMILTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	2	1	0	0	0	0	1	1	0	0
	DAMAGE	16	2	0	7	7	2	0	0	0	0	3	0	0
	TOTAL	20	3	0	9	8	2	0	0	0	1	4	0	0
POP UNDER 1000	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	42	17	8	18	3	2	1	0	1	0	21	0	0
	DAMAGE	80	25	1	12	16	12	0	0	0	0	29	0	0
	TOTAL	123	42	9	30	20	14	1	0	1	0	50	0	0
CALLAWAY CO	FATAL	14	3	5	6	1	0	2	0	0	0	9	0	0
	INJURY	234	69	21	64	66	24	12	0	5	4	80	2	3
	DAMAGE	827	180	31	218	193	90	8	6	0	0	306	0	11
	TOTAL	1075	252	57	288	260	114	22	6	5	4	395	2	14
FULTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	69	10	2	23	28	2	2	0	4	3	8	0	0
	DAMAGE	253	27	9	77	76	6	0	1	0	0	47	0	0
	TOTAL	322	37	11	100	104	8	2	1	4	3	55	0	0
HOLTSSUMMIT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	2	2	1	0	1	0	0	0	0	0	0
	DAMAGE	29	4	0	10	6	1	0	0	0	0	4	0	0
	TOTAL	36	5	2	12	7	1	1	0	0	0	4	0	0
JEFF CITY/CAL	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	6	2	0	0	5	1	1	0	0	0	1	0	0
	DAMAGE	26	7	1	10	2	1	1	0	0	0	6	0	0
	TOTAL	33	9	1	10	7	2	2	0	0	0	8	0	0
POP UNDER 1000	FATAL	13	3	5	6	1	0	2	0	0	0	8	0	0
	INJURY	152	56	17	39	32	21	8	0	1	1	71	2	3
	DAMAGE	519	142	21	121	109	82	7	5	0	0	249	0	11
	TOTAL	684	201	43	166	142	103	17	5	1	1	328	2	14
CAMDEN CO	FATAL	10	3	2	3	7	0	3	0	0	0	5	0	0
	INJURY	260	74	23	73	95	13	13	0	1	4	77	0	8
	DAMAGE	721	124	30	170	287	87	4	3	0	1	144	1	23
	TOTAL	991	201	55	246	389	100	20	3	1	5	226	1	31
CAMDENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	3	2	9	15	2	0	0	1	1	5	0	0
	DAMAGE	145	6	5	41	66	18	1	1	0	0	15	0	2
	TOTAL	175	9	7	50	81	20	1	1	1	1	20	0	2
FOUR SEASONS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	2	0	0
	DAMAGE	5	3	0	1	4	0	0	0	0	0	2	0	1
	TOTAL	7	3	0	2	4	0	0	0	0	0	4	0	1
LAKE OZA/CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	3	2	0	0	0	0	0	3	0	0
	DAMAGE	27	4	0	6	11	1	0	0	0	0	3	0	0
	TOTAL	34	5	0	9	13	1	0	0	0	0	6	0	0
OSAGE BEA/CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	68	2	2	15	35	4	2	0	0	0	6	0	5
	DAMAGE	236	26	3	59	112	39	0	0	0	0	21	0	15
	TOTAL	304	28	5	74	147	43	2	0	0	0	27	0	20
RICHLAND/CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	2	1	0	1	1	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	10	3	2	3	7	0	3	0	0	0	5	0	0
	INJURY	152	67	19	44	43	7	11	0	0	3	60	0	3
	DAMAGE	307	85	22	63	93	29	3	2	0	1	103	1	5
	TOTAL	469	155	43	110	143	36	17	2	0	4	168	1	8

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
CAPE GIRARDEAU CO	FATAL	6	5	2	0	2	1	0	0	0	1	3	0	0
	INJURY	436	71	29	120	123	21	33	1	9	15	110	0	4
	DAMAGE	2105	258	41	614	650	127	11	6	3	3	338	0	18
	TOTAL	2547	334	72	734	775	149	44	7	12	19	451	0	22
CAPE GIR/CAP	FATAL	3	2	0	0	2	1	0	0	0	1	0	0	0
	INJURY	235	26	7	70	64	8	20	0	9	12	36	0	1
	DAMAGE	1553	152	10	435	491	78	11	4	3	3	183	0	14
	TOTAL	1791	180	17	505	557	87	31	4	12	16	219	0	15
JACKSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	62	9	7	18	26	4	3	0	0	1	8	0	0
	DAMAGE	272	40	8	92	92	24	0	2	0	0	33	0	1
	TOTAL	334	49	15	110	118	28	3	2	0	1	41	0	1
SCOTT CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	7	0	8	5	3	1	0	0	0	4	0	0
	TOTAL	96	24	3	35	22	16	1	0	0	2	27	0	0
POP UNDER 1000	FATAL	3	3	2	0	0	0	0	0	0	0	3	0	0
	INJURY	138	36	15	32	33	9	10	1	0	2	66	0	3
	DAMAGE	280	66	23	87	67	25	0	0	0	0	122	0	3
	TOTAL	421	105	40	119	100	34	10	1	0	2	191	0	6
CARROLL CO	FATAL	2	1	0	0	2	1	0	0	0	0	1	0	1
	INJURY	44	13	3	9	14	6	1	0	0	3	24	1	1
	DAMAGE	112	22	8	34	32	13	2	0	0	0	36	1	3
	TOTAL	158	36	11	43	48	20	3	0	0	3	61	2	5
CARROLLTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	1	0	3	5	2	0	0	0	3	5	0	0
	DAMAGE	58	6	1	19	17	2	1	0	0	0	9	0	0
	TOTAL	73	7	1	22	22	4	1	0	0	3	14	0	0
POP UNDER 1000	FATAL	2	1	0	0	2	1	0	0	0	0	1	0	1
	INJURY	29	12	3	6	9	4	1	0	0	0	19	1	1
	DAMAGE	54	16	7	15	15	11	1	0	0	0	27	1	3
	TOTAL	85	29	10	21	26	16	2	0	0	0	47	2	5
CARTER CO	FATAL	4	2	2	1	3	1	0	0	0	1	0	0	0
	INJURY	50	25	4	14	16	8	6	1	0	0	14	1	0
	DAMAGE	80	23	4	12	12	9	2	1	0	0	23	0	0
	TOTAL	134	50	10	27	31	18	8	2	0	1	37	1	0
POP UNDER 1000	FATAL	4	2	2	1	3	1	0	0	0	1	0	0	0
	INJURY	50	25	4	14	16	8	6	1	0	0	14	1	0
	DAMAGE	80	23	4	12	12	9	2	1	0	0	23	0	0
	TOTAL	134	50	10	27	31	18	8	2	0	1	37	1	0
CASS CO	FATAL	7	5	1	2	1	0	1	0	0	0	5	0	0
	INJURY	442	102	36	133	126	27	22	2	8	12	122	0	17
	DAMAGE	1268	157	49	362	358	121	4	11	1	1	205	1	52
	TOTAL	1717	264	86	497	485	148	27	13	9	13	332	1	69
BELTON	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	157	17	9	39	64	8	3	0	3	1	13	0	13
	DAMAGE	451	35	11	134	134	32	0	5	0	1	25	0	37
	TOTAL	609	52	20	174	198	40	3	5	3	2	38	0	50
DREXEL/CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	5	0	0	1	1	0	0	0	0	0	1	0	0
	TOTAL	5	0	0	1	1	0	0	0	0	0	1	0	0
GARDEN CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	6	0	0	1	3	1	0	0	0	0	0	0	0
	TOTAL	7	0	0	1	3	2	0	0	0	0	0	0	0
HARRISONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	57	13	3	15	15	3	4	1	1	2	8	0	0
	DAMAGE	201	18	6	51	71	35	0	1	0	0	27	0	3
	TOTAL	258	31	9	66	86	38	4	2	1	2	35	0	3
KANSAS CITY/CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	1	0	0	0	0	0	0
	DAMAGE	2	0	0	0	1	0	0	0	0	0	0	0	1
	TOTAL	3	0	0	1	1	0	1	0	0	0	0	0	1

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
PECULIAR	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	12	5	2	6	1	2	2	0	0	1	4	0	0
	DAMAGE	69	6	2	19	21	12	1	3	0	0	7	0	1
	TOTAL	82	12	4	25	22	14	3	3	0	1	12	0	1
PLEASANT HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	3	0	11	2	2	1	0	3	2	3	0	0
	DAMAGE	61	10	3	17	15	4	0	0	0	0	9	0	0
	TOTAL	77	13	3	28	17	6	1	0	3	2	12	0	0
RAYMORE	FATAL	1	1	1	0	0	0	1	0	0	0	1	0	0
	INJURY	44	12	4	15	11	2	4	1	1	2	14	0	2
	DAMAGE	154	17	7	49	37	5	2	1	1	0	24	0	2
	TOTAL	199	30	12	64	48	7	7	2	2	2	39	0	4
POP UNDER 1000	FATAL	4	3	0	1	1	0	0	0	0	0	3	0	0
	INJURY	156	52	18	46	34	10	8	0	0	4	80	0	2
	DAMAGE	328	75	21	93	76	32	1	1	0	0	114	1	8
	TOTAL	488	130	39	140	111	42	9	1	0	4	197	1	10
CEDAR CO	FATAL	2	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	51	17	11	15	11	1	3	0	1	0	32	0	0
	DAMAGE	119	22	7	37	42	11	0	1	0	0	28	0	1
	TOTAL	172	40	18	52	54	12	3	1	1	0	61	0	1
ELDORADO SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	3	4	4	0	1	0	1	0	4	0	0
	DAMAGE	61	6	1	16	24	5	0	1	0	0	9	0	0
	TOTAL	71	8	4	20	28	5	1	1	1	0	13	0	0
STOCKTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	2	2	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	2	2	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	2	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	41	15	8	11	7	1	2	0	0	0	28	0	0
	DAMAGE	54	16	6	19	16	6	0	0	0	0	19	0	1
	TOTAL	97	32	14	30	24	7	2	0	0	0	48	0	1
CHARITON CO	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	29	8	4	8	6	3	1	1	1	0	16	0	0
	DAMAGE	78	13	2	19	18	9	0	0	0	1	21	0	0
	TOTAL	108	21	6	27	24	12	1	1	1	1	38	0	0
SALISBURY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	1	0	1	1	0	0	0	0
	DAMAGE	14	1	0	6	5	4	0	0	0	1	1	0	0
	TOTAL	16	1	0	7	6	5	0	1	1	1	1	0	0
POP UNDER 1000	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	27	8	4	7	5	2	1	0	0	0	16	0	0
	DAMAGE	64	12	2	13	13	5	0	0	0	0	20	0	0
	TOTAL	92	20	6	20	18	7	1	0	0	0	37	0	0
CHRISTIANCO	FATAL	6	4	2	0	2	0	0	0	0	0	5	0	0
	INJURY	323	106	31	106	84	17	26	0	7	5	107	0	3
	DAMAGE	759	145	30	250	226	52	4	2	2	0	168	0	22
	TOTAL	1088	255	63	356	312	69	30	2	9	5	280	0	25
BILLINGS	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	3	0	0	1	0	0	1	0	0	0	0	0	0
	DAMAGE	14	2	0	2	7	2	0	0	0	0	2	0	2
	TOTAL	18	3	1	3	7	2	1	0	0	0	3	0	2
CLEVER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	3	0	0	1	0	0	0	0	0	0	0	0	0
	TOTAL	5	1	0	1	0	0	0	0	0	0	1	0	0
NIXA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	9	6	18	21	2	5	0	4	1	10	0	0
	DAMAGE	224	32	9	74	76	13	2	0	1	0	28	0	0
	TOTAL	279	41	15	92	97	15	7	0	5	1	38	0	0
OZARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	107	22	4	37	33	9	2	0	1	3	15	0	3
	DAMAGE	261	33	9	88	87	17	1	1	1	0	35	0	17
	TOTAL	368	55	13	125	120	26	3	1	2	3	50	0	20

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
REPUBLIC/CHR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	2	1	0	2	0	0	0	0	0	0	1	0	0
SPARTA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	1	0	1	0	0	0	0	0	0
	DAMAGE	7	1	2	5	2	0	0	0	0	0	3	0	0
	TOTAL	10	2	2	6	3	0	1	0	0	0	3	0	0
POP UNDER 1000	FATAL	5	3	1	0	2	0	0	0	0	0	4	0	0
	INJURY	153	72	21	49	29	7	17	0	2	1	81	0	0
	DAMAGE	251	77	10	79	55	21	1	1	0	0	99	0	3
	TOTAL	409	152	32	128	86	28	18	1	2	1	184	0	3
CLARK CO	FATAL	2	2	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	8	8	1	13	6	3	0	0	0	14	0	0
	DAMAGE	54	17	1	17	18	7	0	0	0	0	22	0	0
	TOTAL	86	27	9	18	31	13	3	0	0	0	36	0	0
KAHOKA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	2	0	1	0	0	0	0	0	0
	DAMAGE	9	1	0	2	4	0	0	0	0	0	1	0	0
	TOTAL	12	1	0	2	6	0	1	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	2	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	8	8	1	11	6	2	0	0	0	14	0	0
	DAMAGE	45	16	1	15	14	7	0	0	0	0	21	0	0
	TOTAL	74	26	9	16	25	13	2	0	0	0	35	0	0
CLAY CO	FATAL	16	8	7	4	6	0	3	0	0	0	6	0	0
	INJURY	1114	206	80	290	316	69	89	6	13	25	232	3	31
	DAMAGE	3824	544	132	874	1065	360	19	25	1	2	656	4	114
	TOTAL	4954	758	219	1168	1387	429	111	31	14	27	894	7	145
CLAYCOMO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	4	1	2	4	1	3	0	0	0	4	1	0
	DAMAGE	56	15	8	6	10	3	0	0	0	0	21	0	0
	TOTAL	70	19	9	8	14	4	3	0	0	0	25	1	0
EXCELS SPGS/CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	7	2	19	18	1	5	1	1	3	8	0	0
	DAMAGE	166	16	13	44	56	19	1	4	0	0	30	0	1
	TOTAL	216	23	15	63	74	20	6	5	1	3	38	0	1
GLADSTONE	FATAL	2	1	0	0	0	0	1	0	0	0	1	0	0
	INJURY	120	12	13	31	42	5	9	1	2	5	14	0	2
	DAMAGE	340	24	7	99	131	25	4	3	0	0	39	0	6
	TOTAL	462	37	20	130	173	30	14	4	2	5	54	0	8
KANSASCITY/CLA	FATAL	7	4	5	2	2	0	1	0	0	0	4	0	0
	INJURY	500	102	30	109	131	29	43	4	6	10	103	1	8
	DAMAGE	1837	257	50	348	453	131	8	6	1	2	318	2	38
	TOTAL	2344	363	85	459	586	160	52	10	7	12	425	3	46
KEARNEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	2	3	18	11	3	1	0	1	1	9	0	0
	DAMAGE	136	22	4	50	35	20	0	3	0	0	25	0	3
	TOTAL	173	24	7	68	46	23	1	3	1	1	34	0	3
LAWSON/CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	2	1	0	0	1	0	0	0	0	0	1	0	0
	TOTAL	3	2	0	0	2	0	0	0	0	0	2	0	0
LIBERTY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	185	32	8	65	59	16	13	0	2	1	32	0	1
	DAMAGE	551	80	19	177	169	55	2	5	0	0	83	1	3
	TOTAL	736	112	27	242	228	71	15	5	2	1	115	1	4
NORTH KANSAS CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	84	16	9	9	23	8	2	0	1	2	10	1	19
	DAMAGE	353	44	15	43	106	58	2	1	0	0	23	0	59
	TOTAL	437	60	24	52	129	66	4	1	1	2	33	1	78
PLEASANT VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	2	0	2	1	2	1	0	0	0	1	0	0
	DAMAGE	61	13	0	12	17	13	0	0	0	0	17	0	1
	TOTAL	72	15	0	14	18	15	1	0	0	0	18	0	1

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR- CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES- TRIAN INV	FIXED OBJECT INV	HAZ- ARD MATL INV	CONSTR/ OTH WK ZONE INV
SMITHVILLE	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	25	4	1	5	7	3	2	0	0	1	6	0	1
	DAMAGE	66	8	0	28	10	11	1	1	0	0	10	1	2
	TOTAL	92	12	2	33	17	14	3	1	0	1	16	1	3
POP UNDER 1000	FATAL	6	3	1	2	4	0	1	0	0	0	1	0	0
	INJURY	88	24	13	30	20	2	10	0	0	2	44	0	0
	DAMAGE	262	65	16	69	77	27	1	2	0	0	90	0	1
	TOTAL	356	92	30	101	101	29	12	2	0	2	135	0	1
CLINTON CO	FATAL	3	2	1	0	0	1	0	0	0	0	1	0	0
	INJURY	88	32	8	32	15	6	3	0	2	2	43	1	2
	DAMAGE	175	44	5	54	44	15	2	1	0	0	64	0	7
	TOTAL	266	78	14	86	59	22	5	1	2	2	108	1	9
CAMERON/CLI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	3	2	6	2	0	1	0	0	1	1	0	0
	DAMAGE	49	10	1	19	14	4	1	0	0	0	9	0	0
	TOTAL	61	13	3	25	16	4	2	0	0	1	10	0	0
GOWER/CLI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	3	0	0	0	0	0	0	1	0	0
	TOTAL	4	0	0	3	0	0	0	0	0	0	1	0	0
LATHROP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	8	1	1	3	3	1	0	0	0	0	1	0	0
	TOTAL	9	2	1	3	3	1	0	0	0	0	1	0	0
PLATTSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	1	2	2	0	0	0	2	0	2	0	0
	DAMAGE	17	3	0	6	6	0	0	1	0	0	5	0	0
	TOTAL	21	3	1	8	8	0	0	1	2	0	7	0	0
POP UNDER 1000	FATAL	3	2	1	0	0	1	0	0	0	0	1	0	0
	INJURY	71	28	5	24	11	6	2	0	0	1	40	1	2
	DAMAGE	97	30	3	23	21	10	1	0	0	0	48	0	7
	TOTAL	171	60	9	47	32	17	3	0	0	1	89	1	9
COLE CO	FATAL	9	0	1	0	5	1	0	0	0	0	5	0	0
	INJURY	450	79	36	143	147	29	15	3	4	15	101	0	1
	DAMAGE	1229	154	48	371	348	81	4	7	3	0	213	1	5
	TOTAL	1688	233	85	514	500	111	19	10	7	15	319	1	6
JEFFCITY/COL	FATAL	3	0	0	0	1	1	0	0	0	0	1	0	0
	INJURY	343	29	13	111	125	24	10	3	4	14	42	0	1
	DAMAGE	987	78	24	308	303	65	4	6	2	0	114	1	5
	TOTAL	1333	107	37	419	429	90	14	9	6	14	157	1	6
ST.MARTINS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	0	1	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	6	0	1	0	4	0	0	0	0	0	4	0	0
	INJURY	105	50	23	32	22	5	5	0	0	1	59	0	0
	DAMAGE	240	76	24	63	44	16	0	1	1	0	99	0	0
	TOTAL	351	126	48	95	70	21	5	1	1	1	162	0	0
COOPER CO	FATAL	3	0	2	0	1	0	0	0	0	1	0	0	1
	INJURY	107	21	8	30	32	17	6	0	4	2	45	1	5
	DAMAGE	386	91	15	81	110	64	0	0	0	0	139	1	9
	TOTAL	496	112	25	111	143	81	6	0	4	3	184	2	15
BOONVILLE	FATAL	1	0	1	0	0	0	0	0	0	1	0	0	1
	INJURY	39	4	0	14	14	1	1	0	3	2	5	0	3
	DAMAGE	170	14	4	46	58	14	0	0	0	0	12	0	2
	TOTAL	210	18	5	60	72	15	1	0	3	3	17	0	6
POP UNDER 1000	FATAL	2	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	68	17	8	16	18	16	5	0	1	0	40	1	2
	DAMAGE	216	77	11	35	52	50	0	0	0	0	127	1	7
	TOTAL	286	94	20	51	71	66	5	0	1	0	167	2	9
CRAWFORD CO	FATAL	2	2	0	0	1	0	0	0	0	0	1	0	0
	INJURY	127	43	14	27	27	9	7	0	1	1	54	0	1
	DAMAGE	435	95	40	104	113	62	2	1	0	0	160	2	10
	TOTAL	564	140	54	131	141	71	9	1	1	1	215	2	11

**TABLE 4.0.1**



**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UN21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
BOURBON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	5	1	0	2	2	0	0	0	0	6	0	0
	DAMAGE	47	9	1	8	16	11	0	1	0	0	17	0	1
	TOTAL	57	14	2	8	18	13	0	1	0	0	23	0	1
CUBA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	2	1	0	6	0	0	0	1	1	2	0	0
	DAMAGE	85	9	8	18	27	11	2	0	0	0	15	0	0
	TOTAL	100	11	9	18	33	11	2	0	1	1	17	0	0
STEELVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	0	0	3	3	0	1	0	0	0	2	0	0
	DAMAGE	28	3	0	9	13	0	0	0	0	0	1	0	0
	TOTAL	36	3	0	12	16	0	1	0	0	0	3	0	0
SULLIVAN/CRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	7	2	0	0	3	2	0	0	0	0	2	0	1
	TOTAL	9	3	0	1	3	2	0	0	0	0	2	0	1
POP UNDER 1000	FATAL	2	2	0	0	1	0	0	0	0	0	1	0	0
	INJURY	92	35	12	23	16	7	6	0	0	0	44	0	1
	DAMAGE	268	72	31	69	54	38	0	0	0	0	125	2	8
	TOTAL	362	109	43	92	71	45	6	0	0	0	170	2	9
DADE CO	FATAL	3	1	1	1	2	1	1	0	0	0	2	0	0
	INJURY	27	7	2	10	5	1	1	0	0	1	10	0	0
	DAMAGE	49	6	0	18	11	5	0	1	0	0	18	1	1
	TOTAL	79	14	3	29	18	7	2	1	0	1	30	1	1
GREENFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	2	0	1	0	0	0	0	0	0
	DAMAGE	9	0	0	4	1	1	0	0	0	0	1	0	0
	TOTAL	11	0	0	4	3	1	1	0	0	0	1	0	0
POP UNDER 1000	FATAL	3	1	1	1	2	1	1	0	0	0	2	0	0
	INJURY	25	7	2	10	3	1	0	0	0	1	10	0	0
	DAMAGE	40	6	0	14	10	4	0	1	0	0	17	1	1
	TOTAL	68	14	3	25	15	6	1	1	0	1	29	1	1
DALLAS CO	FATAL	2	0	0	0	1	1	0	0	0	1	0	0	0
	INJURY	96	33	11	19	29	12	6	0	0	1	39	0	2
	DAMAGE	175	43	10	49	62	28	1	1	0	0	44	1	5
	TOTAL	273	76	21	68	92	41	7	1	0	2	83	1	7
BUFFALO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	0	0	4	6	4	0	0	0	1	1	0	0
	DAMAGE	65	2	1	21	28	8	0	0	0	0	6	0	2
	TOTAL	77	2	1	25	34	12	0	0	0	1	7	0	2
POP UNDER 1000	FATAL	2	0	0	0	1	1	0	0	0	1	0	0	0
	INJURY	84	33	11	15	23	8	6	0	0	0	38	0	2
	DAMAGE	110	41	9	28	34	20	1	1	0	0	38	1	3
	TOTAL	196	74	20	43	58	29	7	1	0	1	76	1	5
DAVIESS CO	FATAL	2	0	1	0	0	1	0	0	0	0	1	0	0
	INJURY	42	11	5	6	12	5	1	0	0	0	21	0	0
	DAMAGE	63	23	2	15	19	14	0	0	0	0	25	0	0
	TOTAL	107	34	8	21	31	20	1	0	0	0	47	0	0
GALLATIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	2	0	0	0	0	0	0	1	0	0
	DAMAGE	6	1	1	0	3	0	0	0	0	0	3	0	0
	TOTAL	9	1	2	2	3	0	0	0	0	0	4	0	0
POP UNDER 1000	FATAL	2	0	1	0	0	1	0	0	0	0	1	0	0
	INJURY	39	11	4	4	12	5	1	0	0	0	20	0	0
	DAMAGE	57	22	1	15	16	14	0	0	0	0	22	0	0
	TOTAL	98	33	6	19	28	20	1	0	0	0	43	0	0
DEKALB CO	FATAL	2	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	68	13	5	12	24	10	3	0	0	2	19	0	0
	DAMAGE	121	22	2	33	26	21	0	1	0	1	35	1	1
	TOTAL	191	36	7	45	50	31	3	1	0	3	55	1	1
CAMERON/DEK	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	3	0	3	15	6	1	0	0	0	0	0	0
	DAMAGE	51	5	1	16	12	8	0	1	0	0	8	0	0
	TOTAL	74	8	1	19	27	14	1	1	0	0	8	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MAYSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	0	0	0	0	0	1	0	0	0
	DAMAGE	8	0	0	3	2	0	0	0	0	0	1	0	0
	TOTAL	10	0	1	3	2	0	0	0	0	1	1	0	0
POP UNDER 1000	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	44	10	4	9	9	4	2	0	0	1	19	0	0
	DAMAGE	62	17	1	14	12	13	0	0	0	1	26	1	1
	TOTAL	107	28	5	23	21	17	2	0	0	2	46	1	1
DENT CO	FATAL	3	1	1	1	1	0	0	0	0	0	2	0	0
	INJURY	91	35	13	24	20	6	7	0	0	0	37	0	1
	DAMAGE	193	44	9	41	57	18	1	2	0	0	48	0	1
	TOTAL	287	80	23	66	78	24	8	2	0	0	87	0	2
SALEM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	2	4	6	9	0	1	0	0	0	2	0	1
	DAMAGE	86	10	1	21	37	7	1	0	0	0	8	0	1
	TOTAL	105	12	5	27	46	7	2	0	0	0	10	0	2
POP UNDER 1000	FATAL	3	1	1	1	1	0	0	0	0	0	2	0	0
	INJURY	72	33	9	18	11	6	6	0	0	0	35	0	0
	DAMAGE	107	34	8	20	20	11	0	2	0	0	40	0	0
	TOTAL	182	68	18	39	32	17	6	2	0	0	77	0	0
DOUGLAS CO	FATAL	3	1	1	0	1	1	1	0	0	0	0	0	0
	INJURY	50	21	8	6	13	5	1	0	0	0	30	0	0
	DAMAGE	119	19	6	36	35	16	0	0	0	0	42	0	0
	TOTAL	172	41	15	42	49	22	2	0	0	0	72	0	0
AVA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	0	0	0	4	1	1	0	0	0	1	0	0
	DAMAGE	34	0	0	11	19	5	0	0	0	0	2	0	0
	TOTAL	41	0	0	11	23	6	1	0	0	0	3	0	0
POP UNDER 1000	FATAL	3	1	1	0	1	1	1	0	0	0	0	0	0
	INJURY	43	21	8	6	9	4	0	0	0	0	29	0	0
	DAMAGE	85	19	6	25	16	11	0	0	0	0	40	0	0
	TOTAL	131	41	15	31	26	16	1	0	0	0	69	0	0
DUNKLIN CO	FATAL	6	2	3	0	4	1	0	0	0	1	3	0	0
	INJURY	190	36	17	57	54	12	7	0	2	8	51	0	2
	DAMAGE	436	44	21	123	149	41	3	4	1	0	84	0	2
	TOTAL	632	82	41	180	207	54	10	4	3	9	138	0	4
CAMPBELL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	0	0	2	4	0	0	0	1	1	0	0	0
	DAMAGE	14	1	0	4	6	5	0	0	0	0	4	0	0
	TOTAL	22	1	0	6	10	5	0	0	1	1	4	0	0
CLARKTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	0
KENNETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	71	6	4	19	27	5	1	0	1	2	6	0	1
	DAMAGE	228	6	2	67	98	17	2	2	1	0	22	0	1
	TOTAL	299	12	6	86	125	22	3	2	2	2	28	0	2
MALDEN/DUN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	4	1	6	4	0	0	0	0	1	3	0	0
	DAMAGE	60	7	5	21	17	5	0	0	0	0	9	0	0
	TOTAL	74	11	6	27	21	5	0	0	0	1	12	0	0
SENATH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	6	2	3	0	4	1	0	0	0	1	3	0	0
	INJURY	97	26	12	30	19	7	6	0	0	4	42	0	1
	DAMAGE	132	30	14	31	27	14	1	2	0	0	49	0	1
	TOTAL	235	58	29	61	50	22	7	2	0	5	94	0	2
FRANKLIN CO	FATAL	16	6	7	7	5	2	2	0	0	2	6	0	1
	INJURY	620	181	71	190	166	35	40	1	7	16	203	2	16
	DAMAGE	2059	386	96	577	549	213	9	11	0	1	491	3	85
	TOTAL	2695	573	174	774	720	250	51	12	7	19	700	5	102

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
GERALD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	2	2	1	0	0	0	0	0	0	0
	DAMAGE	11	1	0	5	9	1	0	0	0	0	1	0	0
	TOTAL	15	2	0	7	11	2	0	0	0	0	1	0	0
NEW HAVEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	32	2	1	7	6	3	0	0	0	0	9	0	0
	TOTAL	34	2	1	8	6	3	0	0	0	0	10	0	0
PACIFIC/FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	12	1	9	8	2	1	0	1	0	11	0	1
	DAMAGE	123	23	2	48	22	15	0	3	0	0	27	0	5
	TOTAL	154	35	3	57	30	17	1	3	1	0	38	0	6
ST. CLAIR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	53	11	9	12	17	1	4	0	0	5	16	0	0
	DAMAGE	185	38	5	44	58	13	3	1	0	0	34	0	0
	TOTAL	238	49	14	56	75	14	7	1	0	5	50	0	0
SULLIVAN/FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	2	2	8	16	1	1	0	2	1	3	0	1
	DAMAGE	89	6	1	31	41	6	0	0	0	0	9	0	1
	TOTAL	119	8	3	39	57	7	1	0	2	1	12	0	2
UNION	FATAL	2	1	1	0	1	1	0	0	0	0	1	0	0
	INJURY	100	19	8	44	26	3	4	0	0	3	13	0	4
	DAMAGE	318	28	6	99	96	23	1	1	0	0	40	0	4
	TOTAL	420	48	15	143	123	27	5	1	0	3	54	0	8
WASHINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	80	9	6	23	27	4	2	0	2	1	6	0	1
	DAMAGE	461	46	23	124	130	53	1	3	0	0	48	0	14
	TOTAL	541	55	29	147	157	57	3	3	2	1	54	0	15
POP UNDER 1000	FATAL	14	5	6	7	4	1	2	0	0	2	5	0	1
	INJURY	320	127	45	91	70	23	28	1	2	6	153	2	9
	DAMAGE	840	242	58	219	187	99	4	3	0	1	323	3	61
	TOTAL	1174	374	109	317	261	123	34	4	2	9	481	5	71
GASCONADE CO	FATAL	2	2	0	0	2	0	0	0	0	0	1	0	0
	INJURY	75	29	14	33	16	2	3	0	1	0	45	0	0
	DAMAGE	215	41	7	66	54	17	2	1	0	0	64	0	0
	TOTAL	292	72	21	99	72	19	5	1	1	0	110	0	0
HERMANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	1	4	1	1	0	1	0	0	0	0
	DAMAGE	44	4	1	16	21	2	1	0	0	0	4	0	0
	TOTAL	50	5	1	17	25	3	2	0	1	0	4	0	0
OWENSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	1	4	2	0	0	0	0	0	1	0	0
	DAMAGE	49	3	1	21	16	6	0	1	0	0	7	0	0
	TOTAL	56	4	2	25	18	6	0	1	0	0	8	0	0
POP UNDER 1000	FATAL	2	2	0	0	2	0	0	0	0	0	1	0	0
	INJURY	62	27	13	28	10	1	2	0	0	0	44	0	0
	DAMAGE	122	34	5	29	17	9	1	0	0	0	53	0	0
	TOTAL	186	63	18	57	29	10	3	0	0	0	98	0	0
GENTRY CO	FATAL	3	3	2	1	0	0	0	0	0	0	3	0	0
	INJURY	20	7	5	3	5	2	0	0	0	0	13	0	0
	DAMAGE	52	8	2	13	13	2	0	0	0	0	13	0	0
	TOTAL	75	18	9	17	18	4	0	0	0	0	29	0	0
ALBANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	1	0	0	0	0	1	0	0
	DAMAGE	13	0	0	4	5	1	0	0	0	0	2	0	0
	TOTAL	16	0	0	5	6	2	0	0	0	0	3	0	0
KINGCITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	7	0	0	2	3	0	0	0	0	0	0	0	0
	TOTAL	8	0	0	2	3	0	0	0	0	0	1	0	0
STANBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	5	1	0	1	1	0	0	0	0	0	2	0	0
	TOTAL	5	1	0	1	1	0	0	0	0	0	2	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
POP UNDER 1000	FATAL	3	3	2	1	0	0	0	0	0	0	3	0	0
	INJURY	16	7	5	2	4	1	0	0	0	0	11	0	0
	DAMAGE	27	7	2	6	4	1	0	0	0	0	9	0	0
	TOTAL	46	17	9	9	8	2	0	0	0	0	23	0	0
GREENE CO	FATAL	27	8	9	5	8	1	3	0	1	3	7	0	0
	INJURY	2555	342	186	682	892	193	102	8	50	63	348	0	52
	DAMAGE	5808	509	263	1628	1768	634	23	34	7	3	808	1	121
	TOTAL	8390	859	458	2315	2668	828	128	42	58	69	1163	1	173
ASH GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	2	1	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	1	2	0	0	0	0	0	0	0	0
BATTLEFIELD	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	1	1	0	0	0	1	0	2	0	0
	DAMAGE	31	3	2	7	8	3	0	0	0	0	7	0	0
	TOTAL	38	4	3	9	9	3	0	0	1	0	9	0	0
FAIR GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	0	0	0	0	0	0	0	0	0
	DAMAGE	10	3	0	2	5	1	0	1	0	0	1	0	2
	TOTAL	12	3	1	2	5	1	0	1	0	0	1	0	2
REPUBLIC/GRE	FATAL	1	1	1	1	0	0	1	0	0	0	0	0	0
	INJURY	73	19	9	17	20	6	3	3	0	1	15	0	2
	DAMAGE	187	18	1	58	59	12	0	0	0	0	25	0	0
	TOTAL	261	38	11	76	79	18	4	3	0	1	40	0	2
ROGERSVIL/GRE	FATAL	2	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	13	2	2	5	4	2	0	0	0	0	0	0	0
	DAMAGE	24	2	0	6	5	4	1	0	0	0	1	0	0
	TOTAL	39	5	2	11	9	6	1	0	0	0	2	0	0
SPRINGFIELD	FATAL	11	2	4	1	5	0	1	0	1	0	3	0	0
	INJURY	2113	195	128	555	777	146	79	5	45	60	183	0	49
	DAMAGE	4831	325	212	1376	1493	509	14	28	6	3	530	1	105
	TOTAL	6955	522	344	1932	2275	655	94	33	52	63	716	1	154
STRAFFORD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	1	5	2	1	0	1	0	3	0	0
	DAMAGE	58	8	0	12	19	19	1	0	0	0	17	0	0
	TOTAL	67	9	0	13	24	21	2	0	1	0	20	0	0
WILLARD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	4	2	5	4	0	0	0	0	0	6	0	0
	DAMAGE	31	3	1	8	14	3	0	0	0	0	5	0	0
	TOTAL	46	7	3	13	18	3	0	0	0	0	11	0	0
POP UNDER 1000	FATAL	12	4	4	2	3	1	1	0	0	3	3	0	0
	INJURY	322	120	43	97	80	36	19	0	3	2	139	0	1
	DAMAGE	632	146	47	158	163	82	7	5	1	0	222	0	14
	TOTAL	966	270	94	257	246	119	27	5	4	5	364	0	15
GRUNDY CO	FATAL	5	4	2	0	1	0	0	0	0	0	1	0	0
	INJURY	38	14	6	10	14	4	3	0	0	1	15	0	1
	DAMAGE	158	21	7	39	50	28	1	0	0	0	38	0	0
	TOTAL	201	39	15	49	65	32	4	0	0	1	54	0	1
TRENTON	FATAL	2	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	15	3	1	3	8	0	2	0	0	1	6	0	1
	DAMAGE	114	12	1	30	42	24	1	0	0	0	22	0	0
	TOTAL	131	16	2	33	51	24	3	0	0	1	28	0	1
POP UNDER 1000	FATAL	3	3	2	0	0	0	0	0	0	0	1	0	0
	INJURY	23	11	5	7	6	4	1	0	0	0	9	0	0
	DAMAGE	44	9	6	9	8	4	0	0	0	0	16	0	0
	TOTAL	70	23	13	16	14	8	1	0	0	0	26	0	0
HARRISON CO	FATAL	3	1	1	0	2	0	0	0	0	0	1	0	0
	INJURY	40	16	6	16	10	1	2	0	1	0	21	0	0
	DAMAGE	152	50	6	28	41	24	1	2	0	0	37	0	0
	TOTAL	195	67	13	44	53	25	3	2	1	0	59	0	0
BETHANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	2	0	0	0	0	0	0	0	0	0
	DAMAGE	49	8	1	15	14	8	0	2	0	0	9	0	0
	TOTAL	51	8	1	17	14	8	0	2	0	0	9	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	3	1	1	0	2	0	0	0	0	0	1	0	0
	INJURY	38	16	6	14	10	1	2	0	1	0	21	0	0
	DAMAGE	103	42	5	13	27	16	1	0	0	0	28	0	0
	TOTAL	144	59	12	27	39	17	3	0	1	0	50	0	0
HENRY CO	FATAL	5	3	0	1	2	1	0	0	0	0	1	0	0
	INJURY	153	49	13	48	43	9	9	0	1	0	70	0	4
	DAMAGE	322	51	14	81	107	27	2	1	1	0	73	0	9
	TOTAL	480	103	27	130	152	37	11	1	2	0	144	0	13
CLINTON	FATAL	2	0	0	0	1	1	0	0	0	0	0	0	0
	INJURY	51	8	5	21	14	1	1	0	1	0	12	0	0
	DAMAGE	170	12	2	48	65	8	1	0	0	0	19	0	7
	TOTAL	223	20	7	69	80	10	2	0	1	0	31	0	7
WINDSOR/HEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	23	4	0	8	7	4	0	0	1	0	9	0	0
	TOTAL	24	5	0	9	7	4	0	0	1	0	9	0	0
POP UNDER 1000	FATAL	3	3	0	1	1	0	0	0	0	0	1	0	0
	INJURY	101	40	8	26	29	8	8	0	0	0	58	0	4
	DAMAGE	129	35	12	25	35	15	1	1	0	0	45	0	2
	TOTAL	233	78	20	52	65	23	9	1	0	0	104	0	6
HICKORY CO	FATAL	3	2	3	0	0	0	0	0	0	0	2	0	0
	INJURY	42	22	13	10	11	1	5	0	0	1	19	0	0
	DAMAGE	53	17	5	19	18	5	0	0	0	0	25	0	0
	TOTAL	98	41	21	29	29	6	5	0	0	1	46	0	0
POP UNDER 1000	FATAL	3	2	3	0	0	0	0	0	0	0	2	0	0
	INJURY	42	22	13	10	11	1	5	0	0	1	19	0	0
	DAMAGE	53	17	5	19	18	5	0	0	0	0	25	0	0
	TOTAL	98	41	21	29	29	6	5	0	0	1	46	0	0
HOLT CO	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	28	11	4	9	9	1	4	0	0	0	16	0	0
	DAMAGE	92	24	6	18	27	26	0	0	0	0	27	1	3
	TOTAL	121	35	10	27	36	28	4	0	0	0	43	1	3
MOUND CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	1	1	0	0	0	0	0	3	0	0
	DAMAGE	9	1	0	3	8	2	0	0	0	0	0	0	1
	TOTAL	13	2	0	4	9	2	0	0	0	0	3	0	1
POP UNDER 1000	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	24	10	4	8	8	1	4	0	0	0	13	0	0
	DAMAGE	83	23	6	15	19	24	0	0	0	0	27	1	2
	TOTAL	108	33	10	23	27	26	4	0	0	0	40	1	2
HOWARD CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	41	12	9	14	9	2	1	0	0	0	23	0	1
	DAMAGE	72	12	7	16	17	5	0	0	0	0	26	1	1
	TOTAL	113	24	16	30	26	7	1	0	0	0	49	1	2
FAYETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	19	0	1	5	8	1	0	0	0	0	1	0	0
	TOTAL	20	0	1	5	8	1	0	0	0	0	1	0	0
GLASGOW/HOW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	1	1	2	2	0	0	0	0	0	0	0	0
	TOTAL	6	1	1	2	2	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	12	9	14	9	2	1	0	0	0	23	0	1
	DAMAGE	47	11	5	9	7	4	0	0	0	0	25	1	1
	TOTAL	87	23	14	23	16	6	1	0	0	0	48	1	2
HOWELL CO	FATAL	10	4	4	1	6	2	0	0	0	1	3	0	1
	INJURY	192	63	32	54	55	13	7	1	3	4	70	0	0
	DAMAGE	595	85	27	146	211	62	3	2	0	0	110	0	3
	TOTAL	797	152	63	201	272	77	10	3	3	5	183	0	4
MOUNTAIN VIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	2	6	2	1	0	0	1	1	0	0
	DAMAGE	29	0	1	4	17	1	0	0	0	0	0	0	1
	TOTAL	38	1	1	6	23	3	1	0	0	1	1	0	1

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
WEST PLAINS	FATAL	3	0	0	0	3	1	0	0	0	0	0	0	1
	INJURY	67	14	11	14	25	4	3	0	3	1	7	0	0
	DAMAGE	325	25	5	85	139	32	3	0	0	0	25	0	1
	TOTAL	395	39	16	99	167	37	6	0	3	1	32	0	2
WILLOW SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	2	0	1	1	1	1	0	0	0	1	0	0
	DAMAGE	24	3	2	1	27	2	0	0	0	0	4	0	0
	TOTAL	28	5	2	13	8	3	1	0	0	0	5	0	0
POP UNDER 1000	FATAL	7	4	4	1	3	1	0	0	0	1	3	0	0
	INJURY	112	46	21	37	23	6	2	1	0	2	61	0	0
	DAMAGE	217	57	19	45	48	27	0	2	0	0	81	0	1
	TOTAL	336	107	44	83	74	34	2	3	0	3	145	0	1
IRON CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	75	31	10	14	24	5	4	0	0	0	43	1	0
	DAMAGE	107	24	9	20	30	19	0	0	0	0	40	2	1
	TOTAL	182	55	19	34	54	24	4	0	0	0	83	3	1
IRONTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	24	3	0	7	11	2	0	0	0	0	2	0	0
	TOTAL	28	3	0	8	12	2	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	71	31	10	13	23	5	4	0	0	0	42	1	0
	DAMAGE	83	21	9	13	19	17	0	0	0	0	38	2	1
	TOTAL	154	52	19	26	42	22	4	0	0	0	80	3	1
JACKSON CO	FATAL	72	37	24	13	17	7	11	0	1	14	25	0	2
	INJURY	5056	1043	359	1168	1352	280	239	30	63	229	899	2	82
	DAMAGE	16341	2372	483	2996	4213	1236	55	84	20	24	2261	3	318
	TOTAL	21469	3452	866	4177	5582	1523	305	114	84	267	3185	5	402
BLUE SPRINGS	FATAL	2	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	249	35	20	86	74	15	16	2	3	6	30	0	1
	DAMAGE	988	140	42	327	263	68	6	6	1	0	138	1	12
	TOTAL	1239	176	63	414	337	83	22	8	4	6	169	1	13
BUCKNER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	2	1	1	0	1	0	0	1	4	0	0
	DAMAGE	17	3	0	0	6	3	0	0	0	0	5	0	0
	TOTAL	27	4	2	1	7	3	1	0	0	1	9	0	0
GRAIN VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	7	3	9	6	1	4	0	0	2	10	0	0
	DAMAGE	110	23	6	20	28	14	0	0	0	0	28	0	0
	TOTAL	139	30	9	29	34	15	4	0	0	2	38	0	0
GRANDVIEW	FATAL	2	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	99	23	13	24	32	4	6	0	1	5	22	0	5
	DAMAGE	367	76	26	72	103	28	3	0	0	0	58	1	25
	TOTAL	468	100	40	96	135	32	9	0	1	5	81	1	30
GREENWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	0	0	0	0	0	0	2	0	0
	DAMAGE	11	0	1	2	4	1	0	1	0	0	3	0	0
	TOTAL	15	1	2	3	4	1	0	1	0	0	5	0	0
INDEPENDENCE/JAC	FATAL	11	6	2	4	5	1	2	0	0	1	4	0	1
	INJURY	827	155	79	223	260	41	30	3	10	24	137	0	11
	DAMAGE	2284	323	98	534	727	122	6	10	1	5	281	0	30
	TOTAL	3122	484	179	761	992	164	38	13	11	30	422	0	42
KANSAS CITY/JAC	FATAL	44	24	15	6	8	6	9	0	1	10	15	0	1
	INJURY	3109	686	161	578	778	168	140	18	43	175	533	2	41
	DAMAGE	9991	1420	204	1278	2399	802	32	53	15	19	1284	1	143
	TOTAL	13144	2130	380	1862	3185	976	181	71	59	204	1832	3	185
LAKE LOTAWANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	2	4	6	4	1	0	0	0	0	5	0	0
	DAMAGE	43	9	3	10	14	1	0	0	0	0	13	0	0
	TOTAL	60	11	7	16	18	2	0	0	0	0	18	0	0
LEE'S SUMMIT/JAC	FATAL	5	1	1	0	3	0	0	0	0	2	1	0	0
	INJURY	353	61	32	136	96	24	18	2	4	6	63	0	11
	DAMAGE	1621	234	69	522	413	118	5	7	2	0	241	0	72
	TOTAL	1979	296	102	658	512	142	23	9	6	8	305	0	83

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
OAK GROVE	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	28	5	5	9	6	5	4	0	1	0	4	0	8
	DAMAGE	113	8	2	39	28	22	0	2	0	0	14	0	22
	TOTAL	142	13	7	48	34	27	4	2	1	1	18	0	30
RAYTOWN	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	180	21	11	55	59	9	6	2	0	5	27	0	1
	DAMAGE	409	42	10	112	132	24	0	4	1	0	54	0	5
	TOTAL	590	64	22	167	191	33	6	6	1	5	82	0	6
SUGAR CREEK/JAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	4	3	1	2	1	0	0	1	2	3	0	1
	DAMAGE	60	15	2	7	13	6	0	0	0	0	24	0	4
	TOTAL	72	19	5	8	15	7	0	0	1	2	27	0	5
POP UNDER 1000	FATAL	6	3	3	2	1	0	0	0	0	0	2	0	0
	INJURY	137	42	25	39	33	10	13	3	0	3	59	0	3
	DAMAGE	318	75	19	70	82	27	3	1	0	0	116	0	5
	TOTAL	461	120	47	111	116	37	16	4	0	3	177	0	8
JASPER CO	FATAL	10	3	3	0	4	2	2	0	0	0	4	0	0
	INJURY	627	90	53	192	217	36	49	5	16	25	122	0	3
	DAMAGE	2390	257	83	651	696	181	20	15	4	3	360	3	19
	TOTAL	3027	350	139	843	917	219	71	20	20	28	486	3	22
CARL JUNCTION	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	1	0	6	4	1	0	0	0	1	0	0	0
	DAMAGE	59	17	0	29	9	4	0	1	0	1	15	0	0
	TOTAL	71	18	0	35	13	5	0	1	0	2	15	0	0
CARTERVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	14	3	0	2	3	0	0	0	0	0	3	0	0
	TOTAL	16	3	0	2	4	0	0	0	0	0	3	0	0
CARTHAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	3	5	12	21	2	0	1	1	5	6	0	1
	DAMAGE	158	14	10	37	42	13	1	1	0	0	28	1	0
	TOTAL	201	17	15	49	63	15	1	2	1	5	34	1	1
DUENWEG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	3	0	0	0	0	0	0	0	0
	DAMAGE	7	2	0	3	0	2	0	0	0	0	2	0	0
	TOTAL	10	2	0	3	3	2	0	0	0	0	2	0	0
DUQUESNE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	5	4	1	3	0	0	0	1	0	0
	DAMAGE	29	4	0	11	13	3	0	0	0	0	1	0	0
	TOTAL	38	5	0	16	17	4	3	0	0	0	2	0	0
JASPER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	2	0	1	0	0	0	0	0	0	0
	TOTAL	4	0	0	2	1	1	0	0	0	0	0	0	0
JOPLIN/JAS	FATAL	2	1	1	0	1	0	1	0	0	0	1	0	0
	INJURY	303	34	20	96	117	12	15	2	12	15	30	0	1
	DAMAGE	1444	97	39	406	437	71	14	7	4	2	125	0	15
	TOTAL	1749	132	60	502	555	83	30	9	16	17	156	0	16
SARCOXIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	1	0	0	0	0	0	0	0	1	0	0
	DAMAGE	2	1	0	0	1	0	0	0	0	0	1	0	0
	TOTAL	3	2	1	0	1	0	0	0	0	0	2	0	0
WEBB CITY	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	65	7	3	20	19	4	7	1	3	1	6	0	0
	DAMAGE	209	19	13	56	72	14	3	2	0	0	18	0	0
	TOTAL	275	26	16	76	91	19	10	3	3	1	24	0	0
POP UNDER 1000	FATAL	7	2	2	0	3	1	1	0	0	0	3	0	0
	INJURY	188	43	24	53	47	16	24	1	0	3	78	0	1
	DAMAGE	465	100	21	105	119	73	2	4	0	0	167	2	4
	TOTAL	660	145	47	158	169	90	27	5	0	3	248	2	5
JEFFERSON CO	FATAL	32	14	14	7	9	4	3	0	0	1	10	0	1
	INJURY	1214	341	120	392	305	68	61	6	7	27	421	1	14
	DAMAGE	3413	633	170	975	801	303	19	28	1	3	785	2	64
	TOTAL	4659	988	304	1374	1115	375	83	34	8	31	1216	3	79

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
ARNOLD	FATAL	5	1	1	2	2	1	0	0	0	0	1	0	0
	INJURY	145	22	9	43	45	7	9	1	0	3	21	0	2
	DAMAGE	546	46	15	167	140	39	0	2	0	1	54	0	3
	TOTAL	696	69	25	212	187	47	9	3	0	4	76	0	5
BYRNE'SMILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	4	1	10	4	3	2	0	1	0	3	0	4
	DAMAGE	60	7	4	26	23	7	0	0	0	0	7	0	10
	TOTAL	87	11	5	36	27	10	2	0	1	0	10	0	14
CRYSTALCITY	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	31	5	2	14	10	1	0	0	0	1	2	0	0
	DAMAGE	98	11	6	31	29	8	0	1	0	0	14	0	0
	TOTAL	130	16	8	45	40	9	0	1	0	1	16	0	0
DESOTO	FATAL	1	1	1	0	0	0	1	0	0	0	0	0	0
	INJURY	44	7	3	10	13	1	1	0	0	2	9	0	1
	DAMAGE	151	19	11	38	42	18	2	1	0	0	21	0	0
	TOTAL	196	27	15	48	55	19	4	1	0	2	30	0	1
FESTUS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	58	17	6	14	25	6	1	0	0	4	21	0	0
	DAMAGE	359	62	13	114	105	34	4	1	0	0	71	0	2
	TOTAL	417	79	19	128	130	40	5	1	0	4	92	0	2
HERCULANEUM	FATAL	1	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	21	10	1	5	4	0	0	0	0	3	8	0	0
	DAMAGE	91	22	1	18	18	11	0	0	0	0	27	1	0
	TOTAL	113	33	2	24	22	11	0	0	0	3	35	1	0
HILLSBORO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	2	0	9	8	3	0	1	0	0	3	0	0
	DAMAGE	97	10	0	43	20	5	1	1	0	0	13	0	2
	TOTAL	115	12	0	52	28	8	1	2	0	0	16	0	2
PEVELY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	17	1	16	19	4	0	0	0	0	21	0	0
	DAMAGE	149	47	5	29	40	20	0	1	1	0	60	0	3
	TOTAL	199	64	6	45	59	24	0	1	1	0	81	0	3
POP UNDER 1000	FATAL	24	11	12	4	6	3	2	0	0	1	9	0	1
	INJURY	820	257	97	271	177	43	48	4	6	14	333	1	7
	DAMAGE	1861	409	115	509	384	161	12	21	0	2	518	1	44
	TOTAL	2705	677	224	784	567	207	62	25	6	17	860	2	52
JOHNSON CO	FATAL	4	2	2	0	1	0	0	0	0	0	2	0	0
	INJURY	263	76	39	89	58	16	24	1	0	1	85	1	4
	DAMAGE	902	150	57	282	169	56	12	3	1	1	204	1	10
	TOTAL	1169	228	98	371	228	72	36	4	1	2	291	2	14
HOLDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	14	0	1	6	1	0	1	0	0	0	5	0	0
	TOTAL	16	1	1	7	1	0	1	0	0	0	5	0	0
KNOB NOSTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	1	2	0	1	0	0	0	1	0	0
	DAMAGE	40	4	2	9	5	2	0	0	0	0	8	0	0
	TOTAL	45	5	2	10	7	2	1	0	0	0	9	0	0
WARRENSBURG	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	88	19	14	39	14	4	8	0	0	1	13	1	1
	DAMAGE	468	52	35	180	92	28	7	2	1	1	67	0	1
	TOTAL	557	72	49	219	106	32	15	2	1	2	80	1	2
POP UNDER 1000	FATAL	3	1	2	0	1	0	0	0	0	0	2	0	0
	INJURY	168	55	25	48	42	12	15	1	0	0	71	0	3
	DAMAGE	380	94	19	87	71	26	4	1	0	0	124	1	9
	TOTAL	551	150	46	135	114	38	19	2	0	0	197	1	12
KNOX CO	FATAL	2	2	2	0	0	0	0	0	0	0	2	0	0
	INJURY	18	5	3	3	2	1	1	0	0	0	8	0	0
	DAMAGE	28	5	3	8	12	7	0	0	0	0	10	0	0
	TOTAL	48	12	8	11	14	8	1	0	0	0	20	0	0
EDINA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	9	0	0	1	5	0	0	0	0	0	1	0	0
	TOTAL	9	0	0	1	5	0	0	0	0	0	1	0	0

**TABLE 4.0.1**



**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	2	2	2	0	0	0	0	0	0	0	2	0	0
	INJURY	18	5	3	3	2	1	1	0	0	0	8	0	0
	DAMAGE	19	5	3	7	7	7	0	0	0	0	9	0	0
	TOTAL	39	12	8	10	9	8	1	0	0	0	19	0	0
LACLEDE CO	FATAL	7	1	2	4	2	2	0	0	0	1	1	0	0
	INJURY	241	52	18	73	80	20	11	0	2	1	86	2	0
	DAMAGE	705	119	18	201	223	74	5	5	0	0	226	0	4
	TOTAL	953	172	38	278	305	96	16	5	2	2	313	2	4
LEBANON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	108	8	3	42	49	3	4	0	2	0	9	0	0
	DAMAGE	343	33	6	125	131	32	4	5	0	0	35	0	2
	TOTAL	451	41	9	167	180	35	8	5	2	0	44	0	2
POP UNDER 1000	FATAL	7	1	2	4	2	2	0	0	0	1	1	0	0
	INJURY	133	44	15	31	31	17	7	0	0	1	77	2	0
	DAMAGE	362	86	12	76	92	42	1	0	0	0	191	0	2
	TOTAL	502	131	29	111	125	61	8	0	0	2	269	2	2
LAFAYETTE CO	FATAL	12	4	2	2	6	4	1	0	0	1	4	0	2
	INJURY	161	46	17	54	40	14	14	0	1	2	56	0	3
	DAMAGE	604	136	28	156	170	82	6	1	0	0	203	1	15
	TOTAL	777	186	47	212	216	100	21	1	1	3	263	1	20
CONCORDIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	20	1	2	4	7	1	0	0	0	0	6	0	1
	TOTAL	21	1	2	5	7	1	0	0	0	0	6	0	1
HIGGINSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	6	2	9	8	2	4	0	0	0	4	0	0
	DAMAGE	66	3	4	23	20	4	2	1	0	0	8	0	0
	TOTAL	90	9	6	32	28	6	6	1	0	0	12	0	0
LEXINGTON	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	15	5	3	2	5	1	1	0	1	0	5	0	1
	DAMAGE	60	8	1	24	19	4	0	0	0	0	6	0	0
	TOTAL	76	13	4	26	25	5	1	0	1	0	11	0	1
ODESSA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	2	1	6	4	3	2	0	0	1	1	0	0
	DAMAGE	91	10	2	34	34	10	2	0	0	0	8	0	1
	TOTAL	105	12	3	40	38	13	4	0	0	1	9	0	1
POP UNDER 1000	FATAL	11	4	2	2	5	4	1	0	0	1	4	0	2
	INJURY	107	33	11	36	23	8	7	0	0	1	46	0	2
	DAMAGE	367	114	19	71	90	63	2	0	0	0	175	1	13
	TOTAL	485	151	32	109	118	75	10	0	0	2	225	1	17
LAWRENCE CO	FATAL	9	2	2	3	2	0	0	0	0	0	4	0	0
	INJURY	183	56	25	52	49	14	6	0	0	1	92	0	3
	DAMAGE	441	90	21	130	112	80	1	3	0	0	166	2	14
	TOTAL	633	148	48	185	163	94	7	3	0	1	262	2	17
AURORA	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	31	6	1	10	12	0	0	0	0	0	2	0	1
	DAMAGE	66	2	0	22	25	9	0	0	0	0	8	0	0
	TOTAL	98	8	1	33	38	9	0	0	0	0	10	0	1
MARIONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	2	0	0	0	0	0	0	0	0
	DAMAGE	18	1	1	8	4	1	0	1	0	0	5	0	0
	TOTAL	20	1	1	9	6	1	0	1	0	0	5	0	0
MONETT/LAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	4	2	0	0	0	0	0	2	0	0
	DAMAGE	18	6	3	7	2	3	0	0	0	0	6	0	0
	TOTAL	23	7	3	11	4	3	0	0	0	0	8	0	0
MOUNT VERNON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	1	1	2	0	0	0	0	0	2	0	1
	DAMAGE	36	2	1	15	14	2	0	1	0	0	4	0	1
	TOTAL	41	3	2	16	16	2	0	1	0	0	6	0	2
PIERCE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	1	3	0	0	0	0	0	0	3	0	0
	DAMAGE	7	4	0	2	3	0	0	0	0	0	1	0	0
	TOTAL	10	6	1	5	3	0	0	0	0	0	4	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
POP UNDER 1000	FATAL	8	2	2	2	1	0	0	0	0	0	4	0	0
	INJURY	137	46	22	33	31	14	6	0	0	1	83	0	1
	DAMAGE	296	75	16	76	64	65	1	1	0	0	142	2	13
	TOTAL	441	123	40	111	96	79	7	1	0	1	229	2	14
LEWIS CO	FATAL	2	1	2	0	1	0	0	0	0	0	1	0	0
	INJURY	39	12	3	8	16	3	3	0	1	0	19	0	0
	DAMAGE	136	33	4	25	36	29	0	2	0	0	34	0	1
	TOTAL	177	46	9	33	53	32	3	2	1	0	54	0	1
CANTON	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	3	0	0	2	2	0	1	0	0	0	0	0	0
	DAMAGE	20	3	2	5	5	2	0	0	0	0	2	0	0
	TOTAL	24	4	3	7	7	2	1	0	0	0	3	0	0
LA GRANGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	2	0	1	2	2	0	0	0	0	0	0	0
	TOTAL	4	2	0	1	2	2	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	1	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	36	12	3	6	14	3	2	0	1	0	19	0	0
	DAMAGE	112	28	2	19	29	25	0	2	0	0	32	0	1
	TOTAL	149	40	6	25	44	28	2	2	1	0	51	0	1
LINCOLN CO	FATAL	5	2	2	2	0	1	0	0	0	0	0	0	0
	INJURY	235	74	35	65	51	17	24	1	0	4	103	0	4
	DAMAGE	570	74	23	171	141	69	6	4	0	0	136	0	9
	TOTAL	810	150	60	238	192	87	30	5	0	4	239	0	13
ELSBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	0	0	0	0	2	0	0
	DAMAGE	2	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	5	0	0	1	1	0	0	0	0	0	2	0	0
MOSCOW MILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	6	1	3	2	2	3	0	0	2	2	0	1
	DAMAGE	32	3	1	4	7	9	0	0	0	0	3	0	4
	TOTAL	47	9	2	7	9	11	3	0	0	2	5	0	5
TROY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	45	5	1	19	13	3	4	0	0	2	5	0	1
	DAMAGE	202	12	4	73	72	28	3	1	0	0	17	0	2
	TOTAL	247	17	5	92	85	31	7	1	0	2	22	0	3
POP UNDER 1000	FATAL	5	2	2	2	0	1	0	0	0	0	0	0	0
	INJURY	172	63	33	42	36	12	17	1	0	0	94	0	2
	DAMAGE	334	59	18	94	61	32	3	3	0	0	116	0	3
	TOTAL	511	124	53	138	97	45	20	4	0	0	210	0	5
LINN CO	FATAL	4	2	1	1	2	1	0	0	0	0	2	0	0
	INJURY	55	16	7	14	17	8	3	0	3	0	22	0	0
	DAMAGE	165	20	6	45	51	19	0	2	0	1	37	2	0
	TOTAL	224	38	14	60	70	28	3	2	3	1	61	2	0
BROOKFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	2	3	5	6	2	1	0	1	0	3	0	0
	DAMAGE	73	5	1	22	29	5	0	1	0	0	10	0	0
	TOTAL	90	7	4	27	35	7	1	1	1	0	13	0	0
MARCELINE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	0	2	1	0	0	2	0	0	0	0
	DAMAGE	23	2	1	4	7	3	0	1	0	0	1	0	0
	TOTAL	28	2	1	4	9	4	0	1	2	0	1	0	0
POP UNDER 1000	FATAL	4	2	1	1	2	1	0	0	0	0	2	0	0
	INJURY	33	14	4	9	9	5	2	0	0	0	19	0	0
	DAMAGE	69	13	4	19	15	11	0	0	0	1	26	2	0
	TOTAL	106	29	9	29	26	17	2	0	0	1	47	2	0
LIVINGSTON CO	FATAL	2	0	0	2	0	0	0	0	0	0	1	0	0
	INJURY	93	33	12	33	26	4	4	1	2	0	36	0	0
	DAMAGE	258	30	6	74	89	24	1	2	0	1	47	0	6
	TOTAL	353	63	18	109	115	28	5	3	2	1	84	0	6
CHILLICOTHE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	7	6	15	18	2	3	1	2	0	12	0	0
	DAMAGE	197	11	4	59	74	11	0	2	0	1	25	0	3
	TOTAL	241	18	10	74	92	13	3	3	2	1	37	0	3

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	2	0	0	2	0	0	0	0	0	0	1	0	0
	INJURY	49	26	6	18	8	2	1	0	0	0	24	0	0
	DAMAGE	61	19	2	15	15	13	1	0	0	0	22	0	3
	TOTAL	112	45	8	35	23	15	2	0	0	0	47	0	3
MCDONALD CO	FATAL	5	3	3	0	1	0	1	0	0	0	4	0	0
	INJURY	169	65	38	39	27	7	13	0	2	2	93	0	0
	DAMAGE	260	88	34	56	58	22	1	4	1	0	111	0	1
	TOTAL	434	156	75	95	86	29	15	4	3	2	208	0	1
ANDERSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	1	4	2	1	1	0	0	0	3	0	0
	DAMAGE	33	3	4	6	10	2	0	0	1	0	8	0	0
	TOTAL	46	6	5	10	12	3	1	0	1	0	11	0	0
GOODMAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	1	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	0	0	0	0	1	0	0	0	0
NOEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	10	2	0	3	3	1	0	0	0	0	2	0	0
	TOTAL	11	3	0	3	3	1	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	5	3	3	0	1	0	1	0	0	0	4	0	0
	INJURY	154	61	37	35	25	6	12	0	1	2	90	0	0
	DAMAGE	216	83	30	47	45	19	1	4	0	0	101	0	1
	TOTAL	375	147	70	82	71	25	14	4	1	2	195	0	1
MACON CO	FATAL	1	1	0	0	0	0	1	0	0	0	0	0	0
	INJURY	63	19	5	24	17	5	3	0	0	2	24	0	1
	DAMAGE	191	38	9	57	68	19	0	0	0	0	45	0	0
	TOTAL	255	58	14	81	85	24	4	0	0	2	69	0	1
LA PLATA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	5	1	0	1	2	0	0	0	0	0	0	0	0
MACON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	3	0	5	4	2	1	0	0	1	0	0	0
	DAMAGE	96	14	2	35	39	6	0	0	0	0	9	0	0
	TOTAL	111	17	2	40	43	8	1	0	0	1	9	0	0
PO PUNDER 1000	FATAL	1	1	0	0	0	0	1	0	0	0	0	0	0
	INJURY	47	15	5	18	13	3	2	0	0	1	24	0	1
	DAMAGE	91	24	7	22	27	13	0	0	0	0	36	0	0
	TOTAL	139	40	12	40	40	16	3	0	0	1	60	0	1
MADISON CO	FATAL	2	0	1	1	1	0	0	0	0	0	2	0	0
	INJURY	94	25	12	24	32	8	2	0	0	1	41	1	5
	DAMAGE	109	15	2	17	41	15	0	1	0	0	27	0	7
	TOTAL	205	40	15	42	74	23	2	1	0	1	70	1	12
FREDERICKTOWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	2	1	8	9	1	0	0	0	1	7	0	0
	DAMAGE	50	4	1	11	19	7	0	0	0	0	5	0	2
	TOTAL	73	6	2	19	28	8	0	0	0	1	12	0	2
POP UNDER 1000	FATAL	2	0	1	1	1	0	0	0	0	0	2	0	0
	INJURY	71	23	11	16	23	7	2	0	0	0	34	1	5
	DAMAGE	59	11	1	6	22	8	0	1	0	0	22	0	5
	TOTAL	132	34	13	23	46	15	2	1	0	0	58	1	10
MARIES CO	FATAL	2	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	46	16	6	12	9	2	1	1	0	0	23	0	0
	DAMAGE	92	16	6	14	21	16	0	1	0	0	33	0	0
	TOTAL	140	33	13	26	30	18	1	2	0	0	57	0	0
BELLE/MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	2	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	46	16	6	12	9	2	1	1	0	0	23	0	0
	DAMAGE	91	16	6	14	21	16	0	1	0	0	33	0	0
	TOTAL	139	33	13	26	30	18	1	2	0	0	57	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UN21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MARION CO	FATAL	5	3	1	1	2	1	1	0	0	0	2	0	0
	INJURY	155	35	18	43	52	14	7	0	2	3	43	0	0
	DAMAGE	676	97	29	153	229	70	3	1	0	1	119	1	3
	TOTAL	836	135	48	197	283	85	11	1	2	4	164	1	3
HANNIBAL/MAR	FATAL	2	1	0	1	1	1	0	0	0	0	0	0	0
	INJURY	87	15	11	25	27	7	3	0	2	2	17	0	0
	DAMAGE	498	55	20	125	165	38	2	0	0	1	67	1	0
	TOTAL	587	71	31	151	193	46	5	0	2	3	84	1	0
MONROE CITY/MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	3	0	0	1	1	0	0	0	0	0	0	0	0
PALMYRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	3	2	1	0	0	0	0	2	0	0
	DAMAGE	58	4	1	8	19	10	0	1	0	0	6	0	0
	TOTAL	64	5	2	11	21	11	0	1	0	0	8	0	0
POP UNDER 1000	FATAL	3	2	1	0	1	0	1	0	0	0	2	0	0
	INJURY	62	19	6	15	23	6	4	0	0	1	24	0	0
	DAMAGE	117	38	8	19	44	22	1	0	0	0	46	0	3
	TOTAL	182	59	15	34	68	28	6	0	0	1	72	0	3
MERCER CO	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	11	6	2	2	6	3	0	0	0	0	3	0	0
	DAMAGE	36	8	3	7	10	5	0	0	0	0	15	0	0
	TOTAL	48	14	5	9	17	8	0	0	0	0	19	0	0
PRINCETON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	1	1	2	1	0	0	0	0	1	0	0
	DAMAGE	8	0	2	1	4	0	0	0	0	0	3	0	0
	TOTAL	11	2	3	2	6	1	0	0	0	0	4	0	0
POP UNDER 1000	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	8	4	1	1	4	2	0	0	0	0	2	0	0
	DAMAGE	28	8	1	6	6	5	0	0	0	0	12	0	0
	TOTAL	37	12	2	7	11	7	0	0	0	0	15	0	0
MILLER CO	FATAL	9	4	2	3	3	1	0	0	0	0	3	0	0
	INJURY	125	54	24	35	24	8	5	1	0	0	53	0	0
	DAMAGE	392	92	22	104	124	24	3	2	0	1	107	1	2
	TOTAL	526	150	48	142	151	33	8	3	0	1	163	1	2
ELDON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	2	2	3	5	0	1	0	0	0	1	0	0
	DAMAGE	96	12	4	34	40	3	0	0	0	1	9	0	0
	TOTAL	107	14	6	37	45	3	1	0	0	1	10	0	0
LAKE OZA/MIL	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	28	4	3	8	6	1	1	0	0	0	7	0	0
	DAMAGE	90	15	1	25	33	4	1	1	0	0	12	0	1
	TOTAL	119	19	4	34	40	5	2	1	0	0	19	0	1
OSAGE BEA/MIL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	4	1	1	0	1	0	0	0	0	0
	DAMAGE	17	2	0	6	7	3	0	0	0	0	0	0	0
	TOTAL	22	2	0	10	8	4	0	1	0	0	0	0	0
POP UNDER 1000	FATAL	8	4	2	2	2	1	0	0	0	0	3	0	0
	INJURY	81	48	19	20	12	6	3	0	0	0	45	0	0
	DAMAGE	189	63	17	39	44	14	2	1	0	0	86	1	1
	TOTAL	278	115	38	61	58	21	5	1	0	0	134	1	1
MISSISSIPPI CO	FATAL	3	0	1	0	0	1	0	0	0	1	1	0	1
	INJURY	69	24	10	24	15	6	5	0	0	2	23	0	1
	DAMAGE	151	20	5	36	46	29	0	2	0	0	23	1	8
	TOTAL	223	44	16	60	61	36	5	2	0	3	47	1	10
CHARLESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	1	4	5	2	1	0	0	1	0	0	1
	DAMAGE	39	4	1	12	17	9	0	1	0	0	3	0	5
	TOTAL	49	5	2	16	22	11	1	1	0	1	3	0	6
EAST PRAIRIE	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	5	0	0	2	1	0	1	0	0	1	0	0	0
	DAMAGE	37	0	0	15	11	0	0	0	0	0	1	0	0
	TOTAL	43	0	0	17	12	0	1	0	0	2	1	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
POP UNDER 1000	FATAL	2	0	1	0	0	1	0	0	0	0	1	0	1
	INJURY	54	23	9	18	9	4	3	0	0	0	23	0	0
	DAMAGE	75	16	4	9	18	20	0	1	0	0	19	1	3
	TOTAL	131	39	14	27	27	25	3	1	0	0	43	1	4
MONITEAU CO	FATAL	2	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	52	22	9	20	16	6	1	0	0	1	22	0	0
	DAMAGE	186	46	12	55	49	16	1	2	0	0	54	0	0
	TOTAL	240	69	22	75	66	22	2	2	0	1	77	0	0
CALIFORNIA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	11	0	3	2	5	1	0	0	0	0	2	0	0
	DAMAGE	74	8	2	22	26	4	0	0	0	0	7	0	0
	TOTAL	86	8	5	24	32	5	0	0	0	0	9	0	0
TIPTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	1	4	1	0	1	0	0	1	1	0	0
	DAMAGE	28	3	4	13	10	2	0	1	0	0	2	0	0
	TOTAL	33	3	5	17	11	2	1	1	0	1	3	0	0
POP UNDER 1000	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	36	22	5	14	10	5	0	0	0	0	19	0	0
	DAMAGE	84	35	6	20	13	10	1	1	0	0	45	0	0
	TOTAL	121	58	12	34	23	15	1	1	0	0	65	0	0
MONROE CO	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	32	10	2	9	11	1	1	0	0	1	16	0	0
	DAMAGE	108	9	7	24	27	12	0	0	0	0	33	0	1
	TOTAL	141	19	9	34	39	13	1	0	0	1	49	0	1
MONROE CITY/MON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	32	1	3	9	9	2	0	0	0	0	8	0	0
	TOTAL	34	2	3	9	10	2	0	0	0	0	9	0	0
PARIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	2	1	0	0	0	0	1	1	0	0
	DAMAGE	14	0	0	5	5	1	0	0	0	0	3	0	0
	TOTAL	19	0	0	7	6	1	0	0	0	1	4	0	0
POP UNDER 1000	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	25	9	2	7	9	1	1	0	0	0	14	0	0
	DAMAGE	62	8	4	10	13	9	0	0	0	0	22	0	1
	TOTAL	88	17	6	18	23	10	1	0	0	0	36	0	1
MONTGOMERY CO	FATAL	5	3	2	2	1	1	0	0	0	0	4	0	0
	INJURY	76	38	10	11	23	13	6	0	0	1	31	0	1
	DAMAGE	249	55	17	54	60	56	1	0	0	0	97	0	2
	TOTAL	330	96	29	67	84	70	7	0	0	1	132	0	3
MONTGOMERY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	1	0	2	0	0	0	0	0	1	0	0
	DAMAGE	27	1	0	10	5	5	0	0	0	0	1	0	0
	TOTAL	31	1	1	10	7	5	0	0	0	0	2	0	0
WELLSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	1	1	2	3	1	0	0	0	0	1	0	0
	TOTAL	7	1	1	2	3	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	5	3	2	2	1	1	0	0	0	0	4	0	0
	INJURY	72	38	9	11	21	13	6	0	0	1	30	0	1
	DAMAGE	215	53	16	42	52	50	1	0	0	0	95	0	2
	TOTAL	292	94	27	55	74	64	7	0	0	1	129	0	3
MORGAN CO	FATAL	8	3	3	1	2	0	2	0	0	0	5	0	0
	INJURY	84	35	10	24	20	2	10	1	0	1	42	0	0
	DAMAGE	285	73	18	65	96	29	4	1	0	1	89	0	0
	TOTAL	377	111	31	90	118	31	16	2	0	2	136	0	0
VERSAILLES	FATAL	1	0	0	0	0	0	1	0	0	0	0	0	0
	INJURY	9	1	1	5	4	1	2	1	0	0	1	0	0
	DAMAGE	45	4	1	14	16	5	2	0	0	1	7	0	0
	TOTAL	55	5	2	19	20	6	5	1	0	1	8	0	0
POP UNDER 1000	FATAL	7	3	3	1	2	0	1	0	0	0	5	0	0
	INJURY	75	34	9	19	16	1	8	0	0	1	41	0	0
	DAMAGE	240	69	17	51	80	24	2	1	0	0	82	0	0
	TOTAL	322	106	29	71	98	25	11	1	0	1	128	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
NEW MADRID CO	FATAL	10	0	0	0	5	2	0	0	0	3	3	0	0
	INJURY	147	25	15	31	42	20	5	0	0	1	43	1	4
	DAMAGE	293	37	11	49	97	78	1	2	0	1	63	1	14
	TOTAL	450	62	26	80	144	100	6	2	0	5	109	2	18
GIDEON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	2	0	0	1	1	0	0	0	0	0	0	0	0
MOREHOUSE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	0	1	1	0	0	0	0	1	0	0
	TOTAL	4	0	0	0	1	1	0	0	0	0	1	0	0
NEW MADRID	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	0	0	5	2	1	1	0	0	0	0	0	0
	DAMAGE	13	0	3	3	4	1	0	0	0	0	1	0	0
	TOTAL	23	0	3	8	6	2	1	0	0	0	1	0	0
PORTAGEVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	1	1	0	0	0	0	0	2	0	0
	DAMAGE	28	0	0	7	9	2	1	1	0	1	0	0	0
	TOTAL	34	1	1	8	10	2	1	1	0	1	2	0	0
SIKESTON/NEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	1	0	6	11	3	0	0	0	1	0	0	0
	DAMAGE	60	5	1	15	23	7	0	0	0	0	7	1	1
	TOTAL	80	6	1	21	34	10	0	0	0	1	7	1	1
POP UNDER 1000	FATAL	10	0	0	0	5	2	0	0	0	3	3	0	0
	INJURY	110	23	14	18	28	16	4	0	0	0	41	1	4
	DAMAGE	187	32	7	24	59	67	0	1	0	0	54	0	13
	TOTAL	307	55	21	42	92	85	4	1	0	3	98	1	17
NEWTON CO	FATAL	19	7	2	2	8	7	0	0	0	0	10	1	0
	INJURY	307	82	31	83	78	25	28	1	3	7	110	0	0
	DAMAGE	756	166	32	194	204	82	8	2	0	0	231	0	3
	TOTAL	1082	255	65	279	290	114	36	3	3	7	351	1	3
GRANBY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	2	2	0	0	0	1	0	1	0	0
	DAMAGE	5	1	0	1	1	1	0	0	0	0	1	0	0
	TOTAL	10	1	0	3	3	1	0	0	1	0	2	0	0
JOPLIN/NEW	FATAL	5	2	1	0	2	1	0	0	0	0	3	0	0
	INJURY	64	10	4	9	22	6	4	0	0	2	18	0	0
	DAMAGE	242	46	5	50	90	26	2	0	0	0	60	0	3
	TOTAL	311	58	10	59	114	33	6	0	0	2	81	0	3
NEOSHO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	5	3	16	14	3	1	1	0	1	6	0	0
	DAMAGE	161	13	4	50	48	21	1	2	0	0	26	0	0
	TOTAL	205	18	7	66	62	24	2	3	0	1	32	0	0
SENECA	FATAL	2	0	0	0	2	2	0	0	0	0	0	0	0
	INJURY	9	0	0	5	4	1	0	0	0	0	0	0	0
	DAMAGE	34	2	0	10	11	0	0	0	0	0	1	0	0
	TOTAL	45	2	0	15	17	3	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	12	5	1	2	4	4	0	0	0	0	7	1	0
	INJURY	185	67	24	51	36	15	23	0	2	4	85	0	0
	DAMAGE	314	104	23	83	54	34	5	0	0	0	143	0	0
	TOTAL	511	176	48	136	94	53	28	0	2	4	235	1	0
NODAWAY CO	FATAL	7	1	3	4	2	0	1	0	0	0	2	0	0
	INJURY	81	21	12	26	22	3	4	0	3	5	28	0	1
	DAMAGE	315	69	11	108	83	27	1	2	0	0	65	1	3
	TOTAL	403	91	26	138	107	30	6	2	3	5	95	1	4
MARYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	4	3	17	13	0	2	0	3	4	5	0	1
	DAMAGE	204	23	4	84	60	14	1	1	0	0	17	0	0
	TOTAL	243	27	7	101	73	14	3	1	3	4	22	0	1
POP UNDER 1000	FATAL	7	1	3	4	2	0	1	0	0	0	2	0	0
	INJURY	42	17	9	9	9	3	2	0	0	1	23	0	0
	DAMAGE	111	46	7	24	23	13	0	1	0	0	48	1	3
	TOTAL	160	64	19	37	34	16	3	1	0	1	73	1	3

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
OREGON CO	FATAL	2	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	65	28	11	18	13	3	5	1	0	1	39	0	0
	DAMAGE	111	23	10	26	30	14	0	0	0	0	46	0	0
	TOTAL	178	52	21	44	44	17	5	1	0	1	86	0	0
THAYER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	1	2	2	1	0	0	0	1	0	0	0
	DAMAGE	34	1	1	6	13	3	0	0	0	0	4	0	0
	TOTAL	41	2	2	8	15	4	0	0	0	1	4	0	0
POP UNDER 1000	FATAL	2	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	58	27	10	16	11	2	5	1	0	0	39	0	0
	DAMAGE	77	22	9	20	17	11	0	0	0	0	42	0	0
	TOTAL	137	50	19	36	29	13	5	1	0	0	82	0	0
OSAGE CO	FATAL	5	1	0	1	4	2	1	1	0	0	1	0	0
	INJURY	73	28	9	28	15	7	6	1	1	1	33	0	0
	DAMAGE	167	36	11	54	40	21	2	1	0	0	67	0	0
	TOTAL	245	65	20	83	59	30	9	3	1	1	101	0	0
LINN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	0	1	0	1	1	0	0	0	0
	DAMAGE	21	2	0	10	6	3	0	1	0	0	2	0	0
	TOTAL	24	2	0	12	6	4	0	2	1	0	2	0	0
POP UNDER 1000	FATAL	5	1	0	1	4	2	1	1	0	0	1	0	0
	INJURY	70	28	9	26	15	6	6	0	0	1	33	0	0
	DAMAGE	146	34	11	44	34	18	2	0	0	0	65	0	0
	TOTAL	221	63	20	71	53	26	9	1	0	1	99	0	0
OZARK CO	FATAL	3	2	1	0	2	0	0	0	0	0	2	0	0
	INJURY	38	12	8	10	11	3	2	0	0	0	21	0	0
	DAMAGE	65	16	12	9	29	11	4	1	0	0	26	0	1
	TOTAL	106	30	21	19	42	14	6	1	0	0	49	0	1
POP UNDER 1000	FATAL	3	2	1	0	2	0	0	0	0	0	2	0	0
	INJURY	38	12	8	10	11	3	2	0	0	0	21	0	0
	DAMAGE	65	16	12	9	29	11	4	1	0	0	26	0	1
	TOTAL	106	30	21	19	42	14	6	1	0	0	49	0	1
PEMISCOT CO	FATAL	3	1	1	0	1	0	0	0	0	0	3	0	0
	INJURY	164	26	13	37	40	25	6	0	4	5	49	0	2
	DAMAGE	274	35	22	55	88	46	1	1	0	0	84	0	6
	TOTAL	441	62	36	92	129	71	7	1	4	5	136	0	8
CARUTHERSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	36	4	2	7	13	4	1	0	4	4	4	0	0
	DAMAGE	56	1	5	20	19	3	0	0	0	0	10	0	0
	TOTAL	92	5	7	27	32	7	1	0	4	4	14	0	0
HAYTI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	2	0	6	8	2	1	0	0	1	2	0	0
	DAMAGE	42	4	5	9	17	3	0	0	0	0	10	0	0
	TOTAL	61	6	5	15	25	5	1	0	0	1	12	0	0
STEELE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	0	1	2	2	0	1	0	0	0	2	0	0
	DAMAGE	29	1	1	8	5	3	0	0	0	0	1	0	0
	TOTAL	38	1	2	10	7	3	1	0	0	0	3	0	0
POP UNDER 1000	FATAL	3	1	1	0	1	0	0	0	0	0	3	0	0
	INJURY	100	20	10	22	17	19	3	0	0	0	41	0	2
	DAMAGE	147	29	11	18	47	37	1	1	0	0	63	0	6
	TOTAL	250	50	22	40	65	56	4	1	0	0	107	0	8
PERRY CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	100	22	11	27	29	8	6	0	0	5	39	0	0
	DAMAGE	329	37	18	79	107	44	2	4	1	0	75	1	1
	TOTAL	429	59	29	106	136	52	8	4	1	5	114	1	1
PERRYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	6	2	12	19	4	2	0	0	4	7	0	0
	DAMAGE	192	12	9	56	71	19	1	2	1	0	17	0	0
	TOTAL	242	18	11	68	90	23	3	2	1	4	24	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	16	9	15	10	4	4	0	0	1	32	0	0
	DAMAGE	137	25	9	23	36	25	1	2	0	0	58	1	1
	TOTAL	187	41	18	38	46	29	5	2	0	1	90	1	1

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
PETTISCO	FATAL	11	6	3	3	3	2	2	0	0	0	4	0	0
	INJURY	328	68	34	97	96	12	24	0	5	11	86	0	4
	DAMAGE	949	152	46	285	296	70	3	1	0	1	166	1	10
	TOTAL	1288	226	83	385	395	84	29	1	5	12	256	1	14
LAMONTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	1	0	0	0	0	0	1	0	0
	TOTAL	4	1	0	1	1	0	0	0	0	0	1	0	0
SEDALIA	FATAL	1	0	0	0	0	1	1	0	0	0	0	0	0
	INJURY	195	28	17	56	67	6	13	0	5	9	18	0	3
	DAMAGE	688	74	29	216	234	47	1	0	0	1	69	0	5
	TOTAL	884	102	46	272	301	54	15	0	5	10	87	0	8
POP UNDER 1000	FATAL	10	6	3	3	3	1	1	0	0	0	4	0	0
	INJURY	132	40	17	41	29	6	11	0	0	2	68	0	1
	DAMAGE	258	77	17	68	61	23	2	1	0	0	96	1	5
	TOTAL	400	123	37	112	93	30	14	1	0	2	168	1	6
PHELPS CO	FATAL	4	0	1	0	0	0	1	0	0	1	1	0	0
	INJURY	365	128	32	101	94	29	24	0	5	7	137	1	8
	DAMAGE	1277	318	41	322	351	155	11	4	0	0	397	3	32
	TOTAL	1646	446	74	423	445	184	36	4	5	8	535	4	40
ROLLA	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	180	42	13	58	58	12	10	0	5	6	37	0	5
	DAMAGE	712	103	19	198	218	77	3	3	0	0	113	2	13
	TOTAL	893	145	32	256	276	89	13	3	5	6	150	2	18
ST. JAMES	FATAL	2	0	1	0	0	0	0	0	0	1	1	0	0
	INJURY	24	3	2	4	5	2	0	0	0	0	11	0	0
	DAMAGE	95	12	3	25	34	16	2	0	0	0	22	0	0
	TOTAL	121	15	6	29	39	18	2	0	0	1	34	0	0
POP UNDER 1000	FATAL	1	0	0	0	0	0	1	0	0	0	0	0	0
	INJURY	161	83	17	39	31	15	14	0	0	1	89	1	3
	DAMAGE	470	203	19	99	99	62	6	1	0	0	262	1	19
	TOTAL	632	286	36	138	130	77	21	1	0	1	351	2	22
PIKE CO	FATAL	2	1	0	0	0	0	0	0	0	0	2	0	0
	INJURY	76	25	12	27	20	5	2	0	0	5	30	0	1
	DAMAGE	160	22	1	38	56	21	1	0	0	0	34	2	2
	TOTAL	238	48	13	65	76	26	3	0	0	5	66	2	3
BOWLING GREEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	3	0	8	5	1	0	0	0	2	5	0	0
	DAMAGE	53	2	0	13	22	2	1	0	0	0	4	0	2
	TOTAL	69	5	0	21	27	3	1	0	0	2	9	0	2
LOUISIANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	3	3	4	8	3	1	0	0	1	3	0	1
	DAMAGE	34	2	0	13	14	4	0	0	0	0	2	0	0
	TOTAL	51	5	3	17	22	7	1	0	0	1	5	0	1
POP UNDER 1000	FATAL	2	1	0	0	0	0	0	0	0	0	2	0	0
	INJURY	43	19	9	15	7	1	1	0	0	2	22	0	0
	DAMAGE	73	18	1	12	20	15	0	0	0	0	28	2	0
	TOTAL	118	38	10	27	27	16	1	0	0	2	52	2	0
PLATTE CO	FATAL	9	4	2	2	1	0	3	0	0	2	4	0	1
	INJURY	427	99	30	91	119	25	35	3	3	9	130	1	12
	DAMAGE	1913	303	54	419	465	204	9	13	3	3	414	1	48
	TOTAL	2349	406	86	512	585	229	47	16	6	14	548	2	61
KANSASCITY/PLA	FATAL	3	2	0	0	0	0	2	0	0	0	0	0	0
	INJURY	234	47	19	46	65	11	16	1	1	7	67	0	6
	DAMAGE	1073	138	29	233	256	104	5	9	2	1	201	0	27
	TOTAL	1310	187	48	279	321	115	23	10	3	8	268	0	33
PARKVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	11	4	6	11	0	5	0	0	1	12	1	0
	DAMAGE	183	37	3	58	43	10	0	1	0	0	40	0	1
	TOTAL	218	48	7	64	54	10	5	1	0	1	52	1	1
PLATTE CITY	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	30	5	1	10	13	4	2	0	1	1	11	0	1
	DAMAGE	151	27	4	32	47	30	0	0	0	1	30	0	5
	TOTAL	182	32	5	42	60	34	2	0	1	3	41	0	6

**TABLE 4.0.1**



**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
RIVERSIDE	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	31	6	2	4	8	2	1	0	0	0	7	0	3
	DAMAGE	80	15	3	9	22	13	0	0	0	1	17	1	3
	TOTAL	112	22	6	13	30	15	1	0	0	1	25	1	6
WEATHERBYLAKE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	5	1	0	2	1	1	0	0	0	0	2	0	1
	TOTAL	6	2	0	3	1	1	0	0	0	0	2	0	1
WESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	4	0	2	1	1	0	0	0	0	4	0	1
	DAMAGE	60	7	3	11	16	7	0	1	0	0	12	0	0
	TOTAL	68	11	3	13	17	8	0	1	0	0	16	0	1
POP UNDER 1000	FATAL	4	1	1	2	1	0	1	0	0	1	3	0	1
	INJURY	87	25	4	22	20	6	11	2	1	0	29	0	1
	DAMAGE	355	77	12	72	80	37	4	2	1	0	111	0	11
	TOTAL	446	103	17	96	101	43	16	4	2	1	143	0	13
POLK CO	FATAL	4	0	0	0	1	0	0	0	0	0	2	0	0
	INJURY	160	45	19	39	45	8	4	0	1	2	61	0	1
	DAMAGE	320	85	10	98	87	28	0	1	1	0	93	2	4
	TOTAL	484	130	29	137	133	36	4	1	2	2	156	2	5
BOLIVAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	5	0	16	21	1	1	0	1	1	4	0	0
	DAMAGE	160	28	6	57	51	13	0	0	0	0	26	2	2
	TOTAL	210	33	6	73	72	14	1	0	1	1	30	2	2
POP UNDER 1000	FATAL	4	0	0	0	1	0	0	0	0	0	2	0	0
	INJURY	110	40	19	23	24	7	3	0	0	1	57	0	1
	DAMAGE	160	57	4	41	36	15	0	1	1	0	67	0	2
	TOTAL	274	97	23	64	61	22	3	1	1	1	126	0	3
PULASKI CO	FATAL	8	2	4	2	4	0	5	0	0	1	0	0	0
	INJURY	285	72	31	80	59	15	34	1	1	2	116	0	5
	DAMAGE	882	171	45	232	190	73	6	3	0	1	267	0	12
	TOTAL	1175	245	80	314	253	88	45	4	1	4	383	0	17
CROCKER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	0	0	0	0	0	0	0	0	0
	DAMAGE	7	2	0	3	1	0	0	0	0	0	4	0	0
	TOTAL	10	2	0	5	1	0	0	0	0	0	4	0	0
DIXON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	0	2	2	0	1	0	0	1	1	0	0
	DAMAGE	24	0	1	5	11	1	0	0	0	0	3	0	0
	TOTAL	30	2	1	7	13	1	1	0	0	1	4	0	0
RICHLAND/PUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	15	1	0	4	8	0	0	0	0	0	1	0	0
	TOTAL	17	2	0	5	9	0	0	0	0	0	2	0	0
ST. ROBERT	FATAL	2	0	2	0	1	0	1	0	0	1	0	0	0
	INJURY	102	15	2	31	26	6	11	0	1	1	21	0	1
	DAMAGE	377	53	19	96	80	39	3	1	0	0	81	0	4
	TOTAL	481	68	23	127	107	45	15	1	1	2	102	0	5
WAYNESVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	5	5	14	8	4	3	1	0	0	12	0	2
	DAMAGE	166	29	5	50	38	14	0	1	0	0	45	0	5
	TOTAL	201	34	10	64	46	18	3	2	0	0	57	0	7
POP UNDER 1000	FATAL	6	2	2	2	3	0	4	0	0	0	0	0	0
	INJURY	137	49	24	30	22	5	19	0	0	0	81	0	2
	DAMAGE	293	86	20	74	52	19	3	1	0	1	133	0	3
	TOTAL	436	137	46	106	77	24	26	1	0	1	214	0	5
PUTNAM CO	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	16	2	2	5	3	2	2	0	0	0	8	0	0
	DAMAGE	48	5	2	13	16	6	0	0	0	0	9	0	0
	TOTAL	65	7	4	18	19	8	2	0	0	0	18	0	0
UNIONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	23	0	1	7	10	0	0	0	0	0	1	0	0
	TOTAL	25	0	1	8	10	0	0	0	0	0	1	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	14	2	2	4	3	2	2	0	0	0	8	0	0
	DAMAGE	25	5	1	6	6	6	0	0	0	0	8	0	0
	TOTAL	40	7	3	10	9	8	2	0	0	0	17	0	0
RALLS CO	FATAL	2	0	0	0	2	0	0	0	0	0	1	0	0
	INJURY	61	27	7	19	10	1	7	0	0	0	26	0	1
	DAMAGE	121	41	7	37	28	25	0	0	0	0	48	0	0
	TOTAL	184	68	14	56	40	26	7	0	0	0	75	0	1
HANNIBAL/RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	10	1	1	5	2	1	0	0	0	0	4	0	0
	TOTAL	11	1	1	5	3	1	0	0	0	0	4	0	0
MONROE CITY/RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	0
NEW LONDON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	0	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	0	2	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	2	0	0	0	2	0	0	0	0	0	1	0	0
	INJURY	60	27	7	19	9	1	7	0	0	0	26	0	1
	DAMAGE	103	40	6	32	24	24	0	0	0	0	44	0	0
	TOTAL	165	67	13	51	35	25	7	0	0	0	71	0	1
RANDOLPH CO	FATAL	2	1	1	1	1	1	0	0	0	0	1	0	0
	INJURY	164	41	18	53	62	17	7	1	4	4	52	0	0
	DAMAGE	406	53	9	103	128	42	2	0	0	0	85	0	1
	TOTAL	572	95	28	157	191	60	9	1	4	4	138	0	1
HUNTSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	3	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	1	1	0	0	0	0	0	1	0	0
MOBERLY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	97	13	7	30	40	8	5	0	3	3	18	0	0
	DAMAGE	286	19	4	78	98	28	1	0	0	0	41	0	1
	TOTAL	383	32	11	108	138	36	6	0	3	3	59	0	1
POP UNDER 1000	FATAL	2	1	1	1	1	1	0	0	0	0	1	0	0
	INJURY	66	28	11	23	22	9	2	1	1	1	33	0	0
	DAMAGE	117	34	5	24	29	14	1	0	0	0	44	0	0
	TOTAL	185	63	17	48	52	24	3	1	1	1	78	0	0
RAY CO	FATAL	6	2	4	0	2	0	1	0	0	0	4	0	0
	INJURY	78	24	12	28	19	2	9	0	0	2	30	0	0
	DAMAGE	223	54	12	72	64	9	1	2	1	1	66	1	1
	TOTAL	307	80	28	100	85	11	11	2	1	3	100	1	1
EXCELS SPGS/RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	3	0	0	0	1	0	0	0	0	0	1	0	0
LAWSON/RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	19	4	0	12	3	1	0	1	0	0	2	0	0
	TOTAL	19	4	0	12	3	1	0	1	0	0	2	0	0
RICHMOND	FATAL	1	0	0	0	1	0	1	0	0	0	0	0	0
	INJURY	20	6	2	6	8	1	0	0	0	1	5	0	0
	DAMAGE	82	7	3	26	31	3	1	0	1	1	12	0	0
	TOTAL	103	13	5	32	40	4	2	0	1	2	17	0	0
POP UNDER 1000	FATAL	5	2	4	0	1	0	0	0	0	0	4	0	0
	INJURY	56	18	10	22	11	1	9	0	0	1	24	0	0
	DAMAGE	121	43	9	34	29	5	0	1	0	0	52	1	1
	TOTAL	182	63	23	56	41	6	9	1	0	1	80	1	1
REYNOLDS CO	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	39	19	5	9	9	3	4	0	0	0	17	1	0
	DAMAGE	80	30	5	13	19	13	1	0	1	0	36	0	0
	TOTAL	120	49	11	22	28	16	5	0	1	0	53	1	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
POP UNDER 1000	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	39	19	5	9	9	3	4	0	0	0	17	1	0
	DAMAGE	80	30	5	13	19	13	1	0	1	0	36	0	0
	TOTAL	120	49	11	22	28	16	5	0	1	0	53	1	0
RIPLEY CO	FATAL	6	3	4	0	2	0	1	0	0	0	2	0	0
	INJURY	85	30	17	28	21	1	4	0	0	3	33	0	1
	DAMAGE	176	50	19	52	44	14	1	2	0	0	68	0	0
	TOTAL	267	83	40	80	67	15	6	2	0	3	103	0	1
DONIPHAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	1	1	8	4	0	1	0	0	2	0	0	0
	DAMAGE	42	4	0	15	12	1	0	0	0	0	3	0	0
	TOTAL	56	5	1	23	16	1	1	0	0	2	3	0	0
POP UNDER 1000	FATAL	6	3	4	0	2	0	1	0	0	0	2	0	0
	INJURY	71	29	16	20	17	1	3	0	0	1	33	0	1
	DAMAGE	134	46	19	37	32	13	1	2	0	0	65	0	0
	TOTAL	211	78	39	57	51	14	5	2	0	1	100	0	1
ST. CHARLES CO	FATAL	27	12	10	8	7	5	3	0	0	3	8	0	0
	INJURY	1542	312	135	523	453	74	90	8	27	31	320	2	28
	DAMAGE	6059	884	216	1852	1599	480	27	49	5	4	946	5	134
	TOTAL	7628	1208	361	2383	2059	559	120	57	32	38	1274	7	162
COTTLEVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	5	2	21	10	2	1	1	0	1	8	0	0
	DAMAGE	105	22	0	67	18	0	0	0	0	0	14	0	1
	TOTAL	144	27	2	88	28	2	1	1	0	1	22	0	1
DARDENNE PRAIRIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	4	1	7	5	0	1	0	1	0	1	0	0
	DAMAGE	82	15	2	30	27	5	0	2	0	1	6	0	0
	TOTAL	102	19	3	37	32	5	1	2	1	1	7	0	0
LAKE ST. LOUIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	52	16	8	23	13	1	0	0	0	1	17	0	1
	DAMAGE	234	46	15	68	49	20	0	2	0	0	61	0	19
	TOTAL	286	62	23	91	62	21	0	2	0	1	78	0	20
O'FALLON	FATAL	3	2	2	1	0	1	0	0	0	1	0	0	0
	INJURY	324	52	18	125	95	22	9	3	8	4	40	1	2
	DAMAGE	1135	151	39	375	316	70	5	14	0	1	143	1	10
	TOTAL	1462	205	59	501	411	93	14	17	8	6	183	2	12
ST. CHARLES	FATAL	2	0	0	0	1	2	0	0	0	0	0	0	0
	INJURY	309	52	29	83	106	10	15	1	6	15	48	0	5
	DAMAGE	1587	170	52	390	467	93	9	7	1	0	214	1	19
	TOTAL	1898	222	81	473	574	105	24	8	7	15	262	1	24
ST. PAUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	0	2	1	0	0	0	0	1	0	0
	TOTAL	5	1	0	1	3	1	0	0	0	0	1	0	0
ST. PETERS	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	293	45	17	106	97	8	16	1	7	2	38	0	6
	DAMAGE	1169	149	32	397	325	90	3	10	4	1	126	1	36
	TOTAL	1463	194	49	503	422	98	19	11	11	3	164	1	42
WELDON SPRING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	7	3	8	5	0	0	0	0	1	5	0	0
	DAMAGE	66	18	2	23	16	3	0	0	0	0	14	0	0
	TOTAL	84	25	5	31	21	3	0	0	0	1	19	0	0
WENTZVILLE	FATAL	4	2	1	3	1	0	0	0	0	0	2	0	0
	INJURY	83	10	4	23	25	5	4	0	3	5	15	0	0
	DAMAGE	373	59	8	108	94	57	1	1	0	0	84	2	7
	TOTAL	460	71	13	134	120	62	5	1	3	5	101	2	7
POP UNDER 1000	FATAL	17	8	7	4	5	2	3	0	0	2	6	0	0
	INJURY	401	120	53	126	96	26	44	2	2	2	148	1	14
	DAMAGE	1305	253	66	394	285	141	9	13	0	1	282	0	42
	TOTAL	1723	381	126	524	386	169	56	15	2	5	436	1	56
ST. CLAIR CO	FATAL	4	1	2	1	1	0	0	0	0	0	3	0	0
	INJURY	60	21	2	16	20	9	5	0	1	0	29	0	0
	DAMAGE	75	25	3	15	20	6	0	2	1	0	31	0	0
	TOTAL	139	47	7	32	41	15	5	2	2	0	63	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
APPLETON CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	1	1	2	1	1	0	0	0	0	2	0	0
	TOTAL	6	1	1	2	1	1	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	4	1	2	1	1	0	0	0	0	0	3	0	0
	INJURY	60	21	2	16	20	9	5	0	1	0	29	0	0
	DAMAGE	69	24	2	13	19	5	0	2	1	0	29	0	0
	TOTAL	133	46	6	30	40	14	5	2	2	0	61	0	0
ST. FRANCOIS CO	FATAL	11	4	2	3	4	0	0	0	0	1	4	0	0
	INJURY	272	81	29	78	75	9	21	0	5	5	100	1	3
	DAMAGE	951	154	37	261	284	71	6	8	1	0	202	1	15
	TOTAL	1234	239	68	342	363	80	27	8	6	6	306	2	18
BONNE TERRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	1	0	1	7	1	0	0	1	1	3	0	1
	DAMAGE	46	5	1	8	9	2	0	1	0	0	8	0	2
	TOTAL	59	6	1	9	16	3	0	1	1	1	11	0	3
DESLOGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	0	5	6	0	1	0	0	0	2	0	0
	DAMAGE	90	13	1	31	30	15	0	3	0	0	12	0	3
	TOTAL	103	16	1	36	36	15	1	3	0	0	14	0	3
FARMINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	61	5	4	21	21	4	8	0	1	1	10	0	0
	DAMAGE	442	38	8	122	160	15	3	2	1	0	48	0	4
	TOTAL	503	43	12	143	181	19	11	2	2	1	58	0	4
LEADWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	2	0	0	0	0	0	0	1	0	0
	DAMAGE	7	0	0	0	3	4	0	0	0	0	1	0	0
	TOTAL	11	1	0	2	3	4	0	0	0	0	2	0	0
PARKHILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	9	0	0	3	4	0	0	0	0	0	3	0	0
	TOTAL	10	0	0	3	5	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	11	4	2	3	4	0	0	0	0	1	4	0	0
	INJURY	180	71	25	49	40	4	12	0	3	3	84	1	2
	DAMAGE	357	98	27	97	78	35	3	2	0	0	130	1	6
	TOTAL	548	173	54	149	122	39	15	2	3	4	218	2	8
ST. LOUIS CO	FATAL	50	16	7	7	21	5	5	1	0	10	18	0	0
	INJURY	5851	1182	290	1436	1959	326	161	33	131	231	982	4	55
	DAMAGE	22202	3202	541	5288	6880	1781	63	192	37	27	2853	12	238
	TOTAL	28103	4400	838	6731	8860	2112	229	226	168	268	3853	16	293
BALLWIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	96	16	6	23	34	2	2	0	2	4	11	0	2
	DAMAGE	349	52	8	106	115	18	1	3	1	0	52	0	10
	TOTAL	445	68	14	129	149	20	3	3	3	4	63	0	12
BELLEFONTAINE NB	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	99	43	4	26	35	7	2	1	2	1	27	0	0
	DAMAGE	236	77	10	42	51	23	1	2	0	0	59	0	1
	TOTAL	335	120	14	68	86	30	3	3	2	1	86	0	1
BEL-NOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	1	2	1	0	0	0	0	0	1	0	0
	DAMAGE	19	4	2	6	5	2	0	1	0	0	4	0	0
	TOTAL	24	4	3	8	6	2	0	1	0	0	5	0	0
BEL-RIDGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	4	0	6	12	0	0	1	1	2	3	0	0
	DAMAGE	110	19	11	28	33	8	0	2	0	0	15	0	2
	TOTAL	135	23	11	34	45	8	0	3	1	2	18	0	2
BERKELEY	FATAL	2	0	1	0	0	0	0	0	0	1	1	0	0
	INJURY	148	42	9	34	29	14	1	0	2	4	43	0	4
	DAMAGE	425	98	4	87	100	46	0	5	0	1	101	0	1
	TOTAL	575	140	14	121	129	60	1	5	2	6	145	0	5
BLACK JACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	4	2	0	0	1	0	0	1	0	0
	DAMAGE	53	8	1	21	13	2	0	2	0	0	12	0	0
	TOTAL	58	8	1	25	15	2	0	3	0	0	13	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
BRECKENRIDGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	3	0	3	11	0	1	1	0	4	1	0	0
	DAMAGE	93	9	1	23	21	9	0	2	1	0	11	0	0
	TOTAL	117	12	1	26	32	9	1	3	1	4	12	0	0
BRENTWOOD	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	55	7	0	11	14	2	1	0	1	2	3	0	1
	DAMAGE	204	14	4	39	81	14	0	1	0	0	9	0	7
	TOTAL	260	22	4	50	95	16	1	1	1	2	13	0	8
BRIDGETON	FATAL	2	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	242	60	11	48	69	15	6	2	1	3	58	1	1
	DAMAGE	512	97	10	96	143	69	1	4	0	0	82	1	8
	TOTAL	756	158	22	145	212	84	7	6	1	3	141	2	9
CALVERTON PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	2	1	0	0	0	1	0	1	0	0
	DAMAGE	19	5	0	4	2	1	0	0	0	0	6	0	0
	TOTAL	26	7	0	6	3	1	0	0	1	0	7	0	0
CHARLACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	16	0	1	2	5	1	0	0	0	1	2	0	0
	TOTAL	16	0	1	2	5	1	0	0	0	1	2	0	0
CHESTERFIELD	FATAL	2	0	0	1	1	0	1	0	0	1	1	0	0
	INJURY	235	33	16	81	79	7	4	1	4	5	35	0	2
	DAMAGE	987	118	18	297	313	67	0	6	2	0	134	0	8
	TOTAL	1224	151	34	379	393	74	5	7	6	6	170	0	10
CLARKSON VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	3	1	0	0	0	0	0	0	0	0
	DAMAGE	25	4	0	10	6	0	0	0	0	0	6	0	0
	TOTAL	28	4	0	13	7	0	0	0	0	0	6	0	0
CLAYTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	131	15	7	21	48	7	1	0	5	8	21	0	5
	DAMAGE	468	55	13	77	142	44	4	3	0	0	88	0	5
	TOTAL	599	70	20	98	190	51	5	3	5	8	109	0	10
COOL VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	4	0	3	6	2	0	0	0	0	3	0	0
	DAMAGE	66	9	0	9	22	10	0	1	0	0	10	1	0
	TOTAL	82	13	0	12	28	12	0	1	0	0	13	1	0
COUNTRY CLUB HILLS	FATAL	1	0	1	0	0	1	0	0	0	0	0	0	0
	INJURY	15	0	0	4	7	1	0	0	0	0	1	0	0
	DAMAGE	63	9	2	11	17	1	0	1	0	0	5	0	0
	TOTAL	79	9	3	15	24	3	0	1	0	0	6	0	0
CRESTWOOD	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	33	10	1	10	14	0	2	0	0	3	6	0	0
	DAMAGE	88	13	7	17	25	3	1	0	2	0	15	0	0
	TOTAL	122	23	8	27	40	3	3	0	2	3	22	0	0
CREVE COEUR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	246	35	8	50	98	5	3	0	3	4	20	0	0
	DAMAGE	828	100	12	191	329	61	2	7	0	0	62	0	0
	TOTAL	1074	135	20	241	427	66	5	7	3	4	82	0	0
DELLWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	6	0	10	7	0	0	0	0	2	4	0	1
	DAMAGE	93	6	5	27	25	6	0	2	0	1	12	0	4
	TOTAL	121	12	5	37	32	6	0	2	0	3	16	0	5
DESPERES	FATAL	3	0	1	0	1	0	1	0	0	0	2	0	0
	INJURY	88	14	3	20	43	6	1	0	0	2	7	0	1
	DAMAGE	329	37	6	68	127	20	1	0	0	0	27	0	4
	TOTAL	420	51	10	88	171	26	3	0	0	2	36	0	5
ELLISVILLE	FATAL	1	0	1	0	0	0	0	0	0	1	0	0	0
	INJURY	55	4	1	18	22	2	4	1	2	0	3	0	0
	DAMAGE	252	13	3	90	87	9	2	4	0	0	8	0	1
	TOTAL	308	17	5	108	109	11	6	5	2	1	11	0	1
EUREKA	FATAL	1	1	0	0	1	0	0	0	0	1	0	0	0
	INJURY	62	7	1	26	20	7	4	1	0	3	6	0	0
	DAMAGE	195	21	6	57	45	28	0	3	0	0	32	0	0
	TOTAL	258	29	7	83	66	35	4	4	0	4	38	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
FENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	110	17	11	26	34	10	4	2	2	1	15	0	0
	DAMAGE	505	58	12	111	172	40	2	0	0	0	43	0	0
	TOTAL	615	75	23	137	206	50	6	2	2	1	58	0	0
FERGUSON	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	115	20	2	38	30	6	0	3	3	12	15	1	0
	DAMAGE	246	33	5	75	68	16	1	5	0	2	39	0	2
	TOTAL	362	54	7	113	98	22	1	8	3	14	54	1	2
FLORISSANT	FATAL	2	1	0	1	1	0	0	0	0	0	1	0	0
	INJURY	342	48	19	97	112	19	9	0	7	26	43	0	1
	DAMAGE	1178	143	44	343	417	79	1	10	3	2	101	1	7
	TOTAL	1522	192	63	441	530	98	10	10	10	28	145	1	8
FRONTENAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	8	0	14	19	0	1	0	1	0	7	0	0
	DAMAGE	137	20	5	41	59	9	0	1	0	0	28	0	3
	TOTAL	174	28	5	55	78	9	1	1	1	0	35	0	3
GLENDALE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	8	1	1	1	5	0	1	0	0	0	1	0	0
	DAMAGE	44	7	3	11	11	3	0	0	1	0	4	0	0
	TOTAL	53	8	4	12	17	3	1	0	1	0	5	0	0
GREEN PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	30	1	0	10	13	3	0	0	0	0	2	0	0
	TOTAL	30	1	0	10	13	3	0	0	0	0	2	0	0
HANLEY HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	0	0	1	0	0	1	0	0	0
	DAMAGE	12	1	0	1	1	1	0	0	0	0	1	0	0
	TOTAL	14	2	0	1	1	1	1	0	0	1	1	0	0
HAZELWOOD	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	216	54	11	43	72	15	6	2	5	4	34	0	1
	DAMAGE	664	115	12	163	184	40	1	4	3	0	71	1	2
	TOTAL	881	169	23	206	256	55	7	6	8	4	105	1	3
HILLSDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	0	0	0	0	0	1	1	0	0
	DAMAGE	2	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	4	1	0	0	1	0	0	0	0	1	1	0	0
JENNINGS	FATAL	2	1	0	1	1	0	0	0	0	0	0	0	0
	INJURY	54	15	2	13	14	2	0	0	0	4	5	0	0
	DAMAGE	244	34	8	55	57	7	0	0	0	0	20	0	8
	TOTAL	300	50	10	69	72	9	0	0	0	4	25	0	8
KIRKWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	171	21	7	41	82	11	4	2	5	6	20	0	1
	DAMAGE	734	69	6	204	273	55	3	2	1	1	77	0	3
	TOTAL	905	90	13	245	355	66	7	4	6	7	97	0	4
LADUE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	59	15	2	21	23	3	0	1	0	2	15	0	3
	DAMAGE	121	18	3	36	43	12	1	2	0	0	17	0	5
	TOTAL	180	33	5	57	66	15	1	3	0	2	32	0	8
LAKESHIRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	0	0	1	1	1	0	0	0	0	1	0	0
	TOTAL	7	0	0	1	1	1	0	0	0	0	1	0	0
MANCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	76	14	4	16	25	4	2	1	2	2	12	0	1
	DAMAGE	360	75	13	91	133	20	0	1	0	0	52	0	3
	TOTAL	436	89	17	107	158	24	2	2	2	2	64	0	4
MAPLEWOOD	FATAL	1	0	0	0	1	0	0	0	0	1	0	0	0
	INJURY	64	5	1	14	27	2	2	0	1	2	5	0	1
	DAMAGE	165	7	10	21	37	15	1	1	1	2	17	0	4
	TOTAL	230	12	11	35	65	17	3	1	2	5	22	0	5
MARLBOROUGH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	0	2	1	1	0	0	0	1	1	0	0
	DAMAGE	40	3	0	6	21	1	0	0	0	0	1	0	0
	TOTAL	48	5	0	8	22	2	0	0	0	1	2	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MARYLAND HEIGHTS	FATAL	2	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	226	64	16	45	81	14	5	1	4	5	53	0	2
	DAMAGE	801	110	27	156	215	68	3	4	0	0	90	0	6
	TOTAL	1029	175	44	201	297	82	8	5	4	5	144	0	8
MOLINE ACRES	FATAL	1	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	18	4	0	4	6	0	0	0	0	1	1	0	0
	DAMAGE	33	2	1	9	10	1	0	1	0	0	2	0	0
	TOTAL	52	7	1	13	17	1	1	1	0	1	3	0	0
NORMANDY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	8	2	7	9	3	0	1	0	2	13	0	0
	DAMAGE	118	20	5	29	31	15	1	4	0	0	19	0	0
	TOTAL	151	28	7	36	40	18	1	5	0	2	32	0	0
NORTHWOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	8	3	3	5	1	1	0	0	3	6	0	0
	DAMAGE	57	5	1	12	13	7	0	1	1	1	6	0	0
	TOTAL	85	13	4	15	18	8	1	1	1	4	12	0	0
NORWOOD COURT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	7	1	3	3	2	0	0	0	0	5	0	0
	DAMAGE	88	29	3	21	22	8	0	1	0	0	15	0	0
	TOTAL	109	36	4	24	25	10	0	1	0	0	20	0	0
OAKLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	5	2	1	2	3	0	0	1	0	6	0	0
	DAMAGE	52	14	0	15	13	6	0	1	0	0	20	1	0
	TOTAL	62	19	2	16	15	9	0	1	1	0	26	1	0
OLIVETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	12	0	8	13	2	1	0	1	1	4	0	0
	DAMAGE	135	25	0	27	47	11	1	2	0	0	13	0	1
	TOTAL	174	37	0	35	60	13	2	2	1	1	17	0	1
OVERLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	94	21	11	18	24	6	5	0	7	5	19	0	0
	DAMAGE	484	67	26	79	133	41	0	7	3	1	45	0	2
	TOTAL	578	88	37	97	157	47	5	7	10	6	64	0	2
PACIFIC/FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	2	0	0	2	0	0	0	0	0	3	0	0
	TOTAL	6	2	0	0	2	0	0	0	0	0	3	0	0
PAGEDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	2	2	2	6	0	0	0	0	1	2	0	0
	DAMAGE	39	7	0	5	9	1	0	1	1	0	5	0	0
	TOTAL	53	9	2	7	15	1	0	1	1	1	7	0	0
PASADENA HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	2	0	0	0	0	0	1	0	0
	DAMAGE	7	0	0	0	2	2	0	0	0	0	3	0	0
	TOTAL	10	0	0	2	4	2	0	0	0	0	4	0	0
PINELAWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	8	2	9	10	2	0	0	0	0	10	0	4
	DAMAGE	89	16	5	17	23	7	0	0	1	0	15	1	11
	TOTAL	124	24	7	26	33	9	0	0	1	0	25	1	15
RICHMOND HEIGHTS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	98	27	4	17	35	4	1	1	2	4	13	0	10
	DAMAGE	377	39	7	49	126	34	0	2	1	2	23	0	43
	TOTAL	475	66	11	66	161	38	1	3	3	6	36	0	53
RIVERVIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	14	0	0	1	2	2	0	0	0	0	2	0	0
	TOTAL	14	0	0	1	2	2	0	0	0	0	2	0	0
ROCKHILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	5	1	5	8	0	1	0	1	0	2	0	0
	DAMAGE	53	10	0	20	17	5	0	1	0	0	6	0	0
	TOTAL	72	15	1	25	25	5	1	1	1	0	8	0	0
ST. ANN	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	62	21	4	14	13	11	0	1	1	5	22	1	0
	DAMAGE	316	100	9	72	85	68	0	6	1	1	70	0	1
	TOTAL	379	121	13	86	98	79	0	7	2	7	92	1	1

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UN21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
ST. GEORGE	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	2	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	11	0	0	1	3	0	0	0	0	0	2	0	0
	TOTAL	14	0	0	1	4	0	0	0	0	0	3	0	0
ST. JOHN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	5	7	6	8	3	1	0	1	1	3	0	0
	DAMAGE	127	8	12	22	33	11	1	2	0	0	9	0	0
	TOTAL	159	13	19	28	41	14	2	2	1	1	12	0	0
SHREWSBURY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	9	2	6	9	2	1	1	0	0	8	0	0
	DAMAGE	134	22	4	27	41	9	0	1	0	0	23	0	1
	TOTAL	162	31	6	33	50	11	1	2	0	0	31	0	1
SUNSET HILLS	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	178	33	7	51	67	14	2	0	3	3	38	0	0
	DAMAGE	568	105	6	139	192	74	0	3	0	0	79	0	3
	TOTAL	747	138	13	190	260	88	2	3	3	3	117	0	3
TOWN AND COUNTRY	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	232	65	6	52	88	15	2	1	3	4	19	0	1
	DAMAGE	618	99	18	156	230	37	3	4	0	0	55	2	1
	TOTAL	851	164	24	208	319	52	5	5	3	4	74	2	2
UNIVERSITY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	141	15	7	26	48	7	4	0	7	13	17	0	1
	DAMAGE	716	78	20	108	183	53	1	4	1	2	79	0	7
	TOTAL	857	93	27	134	231	60	5	4	8	15	96	0	8
VALLEY PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	5	2	5	5	2	1	0	1	0	2	0	0
	DAMAGE	185	17	4	31	58	19	2	2	1	0	22	0	0
	TOTAL	206	22	6	36	63	21	3	2	2	0	24	0	0
VELDA VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	8	0	0	2	3	2	0	0	1	0	0	1	0
	TOTAL	8	0	0	2	3	2	0	0	1	0	0	1	0
VINITA PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	0	2	2	2	0	0	0	0	1	2	0	0
	DAMAGE	19	2	0	2	11	1	0	0	0	0	1	0	0
	TOTAL	26	2	2	4	13	1	0	0	0	1	3	0	0
WARSON WOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	7	1	0	0	4	1	0	0	0	0	3	0	0
	TOTAL	8	1	0	1	4	1	0	0	0	0	3	0	0
WEBSTER GROVES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	69	20	4	17	28	3	1	0	1	4	12	0	0
	DAMAGE	366	56	22	95	103	41	0	5	1	1	43	0	2
	TOTAL	435	76	26	112	131	44	1	5	2	5	55	0	2
WELLSTON	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	11	3	1	2	2	1	1	0	0	1	0	0	0
	DAMAGE	34	6	2	7	7	4	0	0	0	0	3	0	0
	TOTAL	46	9	3	9	10	5	1	0	0	1	3	0	0
WILDWOOD	FATAL	2	2	0	0	1	0	1	0	0	0	1	0	0
	INJURY	79	24	9	34	18	6	6	2	4	0	31	0	2
	DAMAGE	418	98	12	161	81	34	2	6	2	0	113	0	4
	TOTAL	499	124	21	195	100	40	9	8	6	0	145	0	6
WINCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	1	2	4	0	0	0	0	0	0	0	0
	DAMAGE	50	4	1	6	22	3	0	0	0	0	2	0	1
	TOTAL	56	4	2	8	26	3	0	0	0	0	2	0	1
WOODSON TERRACE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	1	3	6	0	1	0	0	1	2	0	0
	DAMAGE	54	9	0	4	14	6	0	1	0	0	10	0	0
	TOTAL	67	12	1	7	20	6	1	1	0	1	12	0	0
POP UNDER 1000	FATAL	18	6	1	3	7	4	1	1	0	4	7	0	0
	INJURY	1448	280	65	359	459	75	65	5	44	66	262	1	10
	DAMAGE	6297	899	111	1536	1947	466	26	58	8	9	847	3	67
	TOTAL	7763	1185	177	1898	2413	545	92	64	52	79	1116	4	77

**TABLE 4.0.1**



**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
STE. GENEVIEVE CO	FATAL	4	1	0	1	2	1	0	0	0	0	2	0	0
	INJURY	81	29	11	18	22	6	3	0	2	0	47	0	2
	DAMAGE	275	57	15	58	59	26	2	1	0	0	80	0	3
	TOTAL	360	87	26	77	83	33	5	1	2	0	129	0	5
STE. GENEVIEVE	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	19	4	2	7	8	0	1	0	1	0	7	0	0
	DAMAGE	80	14	4	25	26	6	1	1	0	0	15	0	1
	TOTAL	100	18	6	33	35	6	2	1	1	0	22	0	1
POP UNDER 1000	FATAL	3	1	0	0	1	1	0	0	0	0	2	0	0
	INJURY	62	25	9	11	14	6	2	0	1	0	40	0	2
	DAMAGE	195	43	11	33	33	20	1	0	0	0	65	0	2
	TOTAL	260	69	20	44	48	27	3	0	1	0	107	0	4
SALINE CO	FATAL	1	0	1	0	0	0	0	0	0	0	1	0	0
	INJURY	147	37	11	36	35	14	8	0	0	2	70	0	2
	DAMAGE	398	80	7	71	111	49	4	0	0	1	117	1	7
	TOTAL	546	117	19	107	146	63	12	0	0	3	188	1	9
MARSHALL	FATAL	1	0	1	0	0	0	0	0	0	0	1	0	0
	INJURY	47	6	2	15	17	0	3	0	0	2	6	0	1
	DAMAGE	191	30	4	42	56	16	1	0	0	1	25	0	2
	TOTAL	239	36	7	57	73	16	4	0	0	3	32	0	3
SLATER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	15	0	0	5	9	1	0	0	0	0	3	0	0
	TOTAL	16	0	0	6	10	1	0	0	0	0	3	0	0
SWEET SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	5	1	0	2	1	0	0	0	0	0	2	0	0
	TOTAL	6	1	0	2	2	0	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	98	31	9	20	16	14	5	0	0	0	64	0	1
	DAMAGE	187	49	3	22	45	32	3	0	0	0	87	1	5
	TOTAL	285	80	12	42	61	46	8	0	0	0	151	1	6
SCHUYLER CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	7	1	8	3	0	0	0	0	0	7	0	1
	DAMAGE	21	5	4	4	6	3	0	0	0	0	7	0	0
	TOTAL	36	12	5	12	9	3	0	0	0	0	14	0	1
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	7	1	8	3	0	0	0	0	0	7	0	1
	DAMAGE	21	5	4	4	6	3	0	0	0	0	7	0	0
	TOTAL	36	12	5	12	9	3	0	0	0	0	14	0	1
SCOTLAND CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	5	3	5	6	1	1	0	0	0	12	0	0
	DAMAGE	49	6	3	13	17	7	0	0	0	0	8	1	0
	TOTAL	71	11	6	18	23	8	1	0	0	0	20	1	0
MEMPHIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	2	0	0	0	0	0	0	0	0
	DAMAGE	22	3	2	7	8	1	0	0	0	0	0	1	0
	TOTAL	24	3	2	7	10	1	0	0	0	0	0	1	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	5	3	5	4	1	1	0	0	0	12	0	0
	DAMAGE	27	3	1	6	9	6	0	0	0	0	8	0	0
	TOTAL	47	8	4	11	13	7	1	0	0	0	20	0	0
SCOTT CO	FATAL	11	4	3	1	2	2	0	0	0	1	6	1	0
	INJURY	205	49	17	63	47	9	10	0	1	8	63	0	3
	DAMAGE	695	92	23	157	210	81	3	1	0	4	177	1	3
	TOTAL	911	145	43	221	259	92	13	1	1	13	246	2	6
CAPE GIR/SCO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	2	0	0	1	0	0	0	0	0	0	1	0	0
CHAFFEE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	10	0	0	3	5	0	0	0	0	0	1	0	0
	TOTAL	11	0	0	4	5	0	0	0	0	0	1	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UN21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MINER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	1	0	4	7	0	2	0	0	0	1	0	0
	DAMAGE	57	8	1	9	21	7	0	0	0	1	12	0	0
	TOTAL	73	9	1	13	28	7	2	0	0	1	13	0	0
ORAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	0	2	1	0	0	0	0	0	0	0
	TOTAL	3	0	0	0	2	1	0	0	0	0	0	0	0
SIKESTON/SCO	FATAL	2	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	85	9	6	20	22	2	3	0	1	7	16	0	0
	DAMAGE	335	18	7	84	119	30	1	1	0	0	49	0	1
	TOTAL	422	28	13	104	141	32	4	1	1	7	66	0	1
POP UNDER 1000	FATAL	9	3	3	1	2	2	0	0	0	1	5	1	0
	INJURY	85	32	11	30	13	4	4	0	0	1	42	0	3
	DAMAGE	211	49	12	33	46	30	2	0	0	1	91	1	2
	TOTAL	305	84	26	64	61	36	6	0	0	3	138	2	5
SHANNON CO	FATAL	3	1	0	1	1	0	1	0	0	0	1	0	0
	INJURY	52	23	10	18	6	3	3	0	0	1	28	0	0
	DAMAGE	69	18	6	15	17	11	3	0	0	0	16	0	3
	TOTAL	124	42	16	34	24	14	7	0	0	1	45	0	3
WINONA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	6	0	0	3	0	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	4	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	1	0	1	1	0	1	0	0	0	1	0	0
	INJURY	51	23	10	17	6	3	3	0	0	1	28	0	0
	DAMAGE	63	18	6	12	17	11	3	0	0	0	16	0	3
	TOTAL	117	42	16	30	24	14	7	0	0	1	45	0	3
SHELBY CO	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	4	5	4	9	10	0	0	0	0	7	0	9
	DAMAGE	43	4	3	6	10	14	0	1	0	0	15	0	9
	TOTAL	67	8	8	10	19	24	0	1	0	0	22	0	18
SHELBINA	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	1	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	1	1	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	4	5	4	9	10	0	0	0	0	7	0	9
	DAMAGE	42	4	3	6	9	13	0	1	0	0	15	0	9
	TOTAL	65	8	8	10	18	23	0	1	0	0	22	0	18
STODDARD CO	FATAL	7	1	3	0	3	1	1	0	0	0	2	0	0
	INJURY	160	38	25	48	36	14	7	1	0	3	76	0	1
	DAMAGE	385	57	23	93	135	42	0	0	0	0	83	1	0
	TOTAL	552	96	51	141	174	57	8	1	0	3	161	1	1
ADVANCE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	1	1	0	0	0	0	0	0	0	0
	DAMAGE	17	3	1	3	10	0	0	0	0	0	1	0	0
	TOTAL	20	3	2	4	11	0	0	0	0	0	1	0	0
BERNIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	11	0	2	2	3	1	0	0	0	0	3	0	0
	TOTAL	14	0	2	2	3	1	0	0	0	1	3	0	0
BLOOMFIELD	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	13	1	0	5	8	0	0	0	0	0	1	0	0
	TOTAL	14	1	0	5	8	0	0	0	0	0	1	0	0
DEXTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	1	5	13	8	0	0	0	0	0	8	0	0
	DAMAGE	142	5	4	40	68	6	0	0	0	0	10	0	0
	TOTAL	170	6	9	53	76	6	0	0	0	0	18	0	0
PUXICO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	2	1	1	0	1	0	0	1	0	0	0
	DAMAGE	23	1	0	11	5	3	0	0	0	0	2	0	0
	TOTAL	27	1	2	12	6	3	1	0	0	1	2	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	6	1	3	0	3	1	1	0	0	0	2	0	0
	INJURY	122	37	17	33	26	14	6	1	0	1	68	0	1
	DAMAGE	179	47	16	32	41	32	0	0	0	0	66	1	0
	TOTAL	307	85	36	65	70	47	7	1	0	1	136	1	1
STONE CO	FATAL	7	3	2	0	4	0	4	0	0	0	1	0	0
	INJURY	199	80	22	44	69	7	21	2	0	1	86	0	1
	DAMAGE	302	62	23	65	122	19	1	3	0	0	95	0	3
	TOTAL	508	145	47	109	195	26	26	5	0	1	182	0	4
CRANE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	2	0	0	0	0	0	1	0	0
	DAMAGE	2	1	1	0	0	0	0	0	0	0	1	0	0
	TOTAL	5	2	1	1	2	0	0	0	0	0	2	0	0
KIMBERLINGCITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	0	4	1	0	0	0	0	1	0	0
	DAMAGE	21	1	5	2	15	0	0	0	0	0	6	0	0
	TOTAL	26	1	5	2	19	1	0	0	0	0	7	0	0
POP UNDER 1000	FATAL	7	3	2	0	4	0	4	0	0	0	1	0	0
	INJURY	191	79	22	43	63	6	21	2	0	1	84	0	1
	DAMAGE	279	60	17	63	107	19	1	3	0	0	88	0	3
	TOTAL	477	142	41	106	174	25	26	5	0	1	173	0	4
SULLIVAN CO	FATAL	2	0	1	0	0	0	0	0	0	0	2	0	0
	INJURY	52	18	11	7	9	1	3	0	1	0	35	0	0
	DAMAGE	64	12	6	20	10	6	0	0	0	0	21	0	1
	TOTAL	118	30	18	27	19	7	3	0	1	0	58	0	1
MILAN	FATAL	1	0	1	0	0	0	0	0	0	0	1	0	0
	INJURY	9	3	3	1	2	0	0	0	0	0	4	0	0
	DAMAGE	26	2	1	9	5	0	0	0	0	0	1	0	1
	TOTAL	36	5	5	10	7	0	0	0	0	0	6	0	1
POP UNDER 1000	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	43	15	8	6	7	1	3	0	1	0	31	0	0
	DAMAGE	38	10	5	11	5	6	0	0	0	0	20	0	0
	TOTAL	82	25	13	17	12	7	3	0	1	0	52	0	0
TANEY CO	FATAL	5	2	1	1	3	0	1	0	0	0	1	0	0
	INJURY	465	138	62	99	157	13	32	0	3	7	178	0	1
	DAMAGE	1026	196	54	234	404	57	7	5	0	2	267	2	7
	TOTAL	1496	336	117	334	564	70	40	5	3	9	446	2	8
BRANSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	181	36	10	39	79	1	12	0	3	4	40	0	0
	DAMAGE	480	58	14	100	230	17	2	2	0	1	68	1	1
	TOTAL	661	94	24	139	309	18	14	2	3	5	108	1	1
FORSYTH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	0	1	3	6	0	1	0	0	0	5	0	0
	DAMAGE	35	0	3	5	17	2	0	0	0	0	6	0	2
	TOTAL	47	0	4	8	23	2	1	0	0	0	11	0	2
HOLLISTER	FATAL	1	0	1	0	0	0	1	0	0	0	1	0	0
	INJURY	25	5	2	7	6	3	2	0	0	1	5	0	0
	DAMAGE	88	8	2	22	33	3	1	0	0	0	8	0	0
	TOTAL	114	13	5	29	39	6	4	0	0	1	14	0	0
MERRIAM WOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	1	1	0	0	0	0	0	2	0	0
	DAMAGE	11	1	1	3	2	1	0	0	0	0	2	0	0
	TOTAL	17	2	2	4	3	1	0	0	0	0	4	0	0
POP UNDER 1000	FATAL	4	2	0	1	3	0	0	0	0	0	0	0	0
	INJURY	241	96	48	49	65	9	17	0	0	2	126	0	1
	DAMAGE	412	129	34	104	122	34	4	3	0	1	183	1	4
	TOTAL	657	227	82	154	190	43	21	3	0	3	309	1	5
TEXAS CO	FATAL	8	4	3	3	2	3	0	0	0	1	3	0	0
	INJURY	129	50	18	33	29	9	5	0	0	0	64	0	0
	DAMAGE	282	61	13	72	82	25	0	0	0	0	94	2	1
	TOTAL	419	115	34	108	113	37	5	0	0	1	161	2	1
CABOOL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	2	1	0	0	0	0	0	1	0	0
	DAMAGE	25	2	1	6	9	1	0	0	0	0	7	0	0
	TOTAL	30	3	1	8	10	1	0	0	0	0	8	0	0

**TABLE 4.0.1**

**2009 MISSOURI TRAFFIC CRASHES  
COUNTY AND CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
HOUSTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	1	2	2	1	0	0	0	0	2	0	0
	DAMAGE	45	2	1	19	18	3	0	0	0	0	4	0	0
	TOTAL	51	2	2	21	20	4	0	0	0	0	6	0	0
LICKING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	2	2	0	0	0	0	0	0	0	0
	DAMAGE	15	0	0	0	8	3	0	0	0	0	3	0	0
	TOTAL	20	0	0	2	10	3	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	8	4	3	3	2	3	0	0	0	1	3	0	0
	INJURY	113	49	17	27	24	8	5	0	0	0	61	0	0
	DAMAGE	197	57	11	47	47	18	0	0	0	0	80	2	1
	TOTAL	318	110	31	77	73	29	5	0	0	1	144	2	1
VERNON CO	FATAL	6	3	2	2	0	1	0	0	0	1	3	0	0
	INJURY	89	28	8	21	23	4	5	0	0	6	30	0	0
	DAMAGE	323	75	21	81	105	32	1	3	2	0	82	1	2
	TOTAL	418	106	31	104	128	37	6	3	2	7	115	1	2
NEVADA	FATAL	2	1	1	1	0	0	0	0	0	1	1	0	0
	INJURY	40	6	4	7	15	3	1	0	0	6	7	0	0
	DAMAGE	180	23	7	48	79	13	0	0	2	0	22	1	1
	TOTAL	222	30	12	56	94	16	1	0	2	7	30	1	1
POP UNDER 1000	FATAL	4	2	1	1	0	1	0	0	0	0	2	0	0
	INJURY	49	22	4	14	8	1	4	0	0	0	23	0	0
	DAMAGE	143	52	14	33	26	19	1	3	0	0	60	0	1
	TOTAL	196	76	19	48	34	21	5	3	0	0	85	0	1
WARREN CO	FATAL	10	5	3	3	4	1	2	0	0	0	5	0	0
	INJURY	156	58	18	43	32	19	16	2	2	4	56	0	2
	DAMAGE	506	130	12	121	144	72	2	5	0	0	157	0	23
	TOTAL	672	193	33	167	180	92	20	7	2	4	218	0	25
WARRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	38	7	4	7	11	2	2	1	0	2	7	0	0
	DAMAGE	190	24	5	56	67	17	0	1	0	0	25	0	5
	TOTAL	228	31	9	63	78	19	2	2	0	2	32	0	5
WRIGHT CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	3	1	4	6	4	1	1	0	0	4	0	0
	DAMAGE	55	20	0	13	17	8	0	2	0	0	22	0	2
	TOTAL	69	23	1	17	23	12	1	3	0	0	26	0	2
POP UNDER 1000	FATAL	10	5	3	3	4	1	2	0	0	0	5	0	0
	INJURY	104	48	13	32	15	13	13	0	2	2	45	0	2
	DAMAGE	261	86	7	52	60	47	2	2	0	0	110	0	16
	TOTAL	375	139	23	87	79	61	17	2	2	2	160	0	18
WASHINGTON CO	FATAL	13	9	7	2	6	2	0	0	0	0	5	0	0
	INJURY	111	53	16	23	14	3	16	0	0	1	59	0	2
	DAMAGE	237	47	3	61	64	24	2	0	0	1	62	0	1
	TOTAL	361	109	26	86	84	29	18	0	0	2	126	0	3
POTOSI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	1	1	5	1	1	1	0	0	0	3	0	0
	DAMAGE	50	4	0	16	18	3	0	0	0	0	5	0	1
	TOTAL	62	5	1	21	19	4	1	0	0	0	8	0	1
POP UNDER 1000	FATAL	13	9	7	2	6	2	0	0	0	0	5	0	0
	INJURY	99	52	15	18	13	2	15	0	0	1	56	0	2
	DAMAGE	187	43	3	45	46	21	2	0	0	1	57	0	0
	TOTAL	299	104	25	65	65	25	17	0	0	2	118	0	2
WAYNE CO	FATAL	5	3	2	0	1	1	0	0	0	0	3	0	0
	INJURY	82	18	13	20	21	3	4	0	0	0	41	0	2
	DAMAGE	179	25	11	37	45	10	0	1	0	0	57	0	7
	TOTAL	266	46	26	57	67	14	4	1	0	0	101	0	9
PIEDMONT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	0	1	7	0	0	0	0	0	2	0	0
	DAMAGE	26	2	2	9	10	0	0	0	0	0	1	0	0
	TOTAL	34	3	2	10	17	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	5	3	2	0	1	1	0	0	0	0	3	0	0
	INJURY	74	17	13	19	14	3	4	0	0	0	39	0	2
	DAMAGE	153	23	9	28	35	10	0	1	0	0	56	0	7
	TOTAL	232	43	24	47	50	14	4	1	0	0	98	0	9

**TABLE 4.0.1**

# 2009 MISSOURI TRAFFIC CRASHES COUNTY AND CITY SUMMARY<sup>1</sup>

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
WEBSTER CO	FATAL	5	1	1	1	2	2	1	0	0	0	2	0	0
	INJURY	179	54	33	44	48	13	4	0	2	1	85	0	0
	DAMAGE	504	133	30	108	139	86	4	3	0	0	200	2	4
	TOTAL	688	188	64	153	189	101	9	3	2	1	287	2	4
MARSHFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	5	4	13	11	2	0	0	2	0	12	0	0
	DAMAGE	138	18	0	46	42	11	2	2	0	0	24	0	0
	TOTAL	173	23	4	59	53	13	2	2	2	0	36	0	0
ROGERSVIL/WEB	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	1	0	3	5	0	0	0	0	0	1	0	0
	DAMAGE	36	5	0	10	13	5	0	0	0	0	2	0	0
	TOTAL	46	6	0	13	18	5	0	0	0	0	3	0	0
SEYMOUR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	3	1	2	3	0	0	0	0	0	1	0	0
	DAMAGE	24	5	1	2	12	6	0	0	0	0	7	0	0
	TOTAL	34	8	2	4	15	6	0	0	0	0	8	0	0
POP UNDER 1000	FATAL	5	1	1	1	2	2	1	0	0	0	2	0	0
	INJURY	124	45	28	26	29	11	4	0	0	1	71	0	0
	DAMAGE	306	105	29	50	72	64	2	1	0	0	167	2	4
	TOTAL	435	151	58	77	103	77	7	1	0	1	240	2	4
WORTH CO	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	11	6	1	4	4	1	1	0	0	0	6	0	0
	DAMAGE	30	3	0	10	4	5	0	0	0	0	7	0	0
	TOTAL	42	10	2	14	8	6	1	0	0	0	14	0	0
POP UNDER 1000	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	11	6	1	4	4	1	1	0	0	0	6	0	0
	DAMAGE	30	3	0	10	4	5	0	0	0	0	7	0	0
	TOTAL	42	10	2	14	8	6	1	0	0	0	14	0	0
WRIGHT CO	FATAL	4	1	1	0	1	2	0	0	0	0	1	0	0
	INJURY	62	20	9	13	12	5	1	1	0	0	39	0	0
	DAMAGE	145	25	7	37	34	18	0	1	0	0	44	0	1
	TOTAL	211	46	17	50	47	25	1	2	0	0	84	0	1
MANSFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	10	1	1	5	3	0	0	0	0	0	3	0	0
	TOTAL	10	1	1	5	3	0	0	0	0	0	3	0	0
MOUNTAIN GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	2	0	0	0	0	0	0	0	0	0
	DAMAGE	16	2	2	5	7	2	0	0	0	0	3	0	0
	TOTAL	21	2	2	7	7	2	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	4	1	1	0	1	2	0	0	0	0	1	0	0
	INJURY	57	20	9	11	12	5	1	1	0	0	39	0	0
	DAMAGE	119	22	4	27	24	16	0	1	0	0	38	0	1
	TOTAL	180	43	14	38	37	23	1	2	0	0	78	0	1
ST. LOUIS CITY	FATAL	38	23	3	4	9	2	4	0	0	13	12	0	0
	INJURY	3659	611	90	660	830	249	114	39	112	299	536	2	14
	DAMAGE	12120	1798	142	1522	2388	1230	41	211	27	48	1641	5	44
	TOTAL	15817	2432	235	2186	3227	1481	159	250	139	360	2189	7	58
STATE TOTALS	FATAL	786	320	233	142	258	93	83	2	2	71	317	3	11
	INJURY	36999	8371	3035	9691	10458	2303	1843	185	579	1230	9322	32	470
	DAMAGE	115210	17795	3961	27068	31744	10557	502	846	132	147	20951	92	1702
	TOTAL	152995	26486	7229	36901	42460	12953	2428	1033	713	1448	30590	127	2183
INCORP AREAS	FATAL	261	110	66	40	79	26	36	0	2	43	85	0	4
	INJURY	24950	4226	1450	6445	7624	1440	1021	147	500	1059	3883	13	331
	DAMAGE	86382	10908	2437	20274	24508	7238	330	659	118	125	11483	42	1187
	TOTAL	111593	15244	3953	26759	32211	8704	1387	806	620	1227	15451	55	1522

<sup>1</sup> All traffic crash activity occurring in a county and cities within a county is presented in this data display. A note of caution is warranted for cities whose jurisdictional boundaries cover more than one county. For City A whose boundaries fall in County A and County B - County A's portion of the data display will have County A City A's traffic crash activity presented. County B's portion of the data display will have County B City A's traffic crash activity presented. Those cities falling in more than one county can be identified by their name being followed by a slash (/) and the first three letters of the county name (e.g., Kansas City/JAC). Table 4.0.2 is presented to identify the total crash activity of these multi-county cities.

TABLE 4.0.1

**2009 MISSOURI TRAFFIC CRASHES  
MULTI-COUNTY CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UNDR21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
BELLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	0
CAMERON	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	6	2	9	17	6	2	0	0	1	1	0	0
	DAMAGE	100	15	2	35	26	12	1	1	0	0	17	0	0
	TOTAL	135	21	4	44	43	18	3	1	0	1	18	0	0
CAPE GIRARDEAU	FATAL	3	2	0	0	2	1	0	0	0	1	0	0	0
	INJURY	235	26	7	70	64	8	20	0	9	12	36	0	1
	DAMAGE	1555	152	10	436	491	78	11	4	3	3	184	0	14
	TOTAL	1793	180	17	506	557	87	31	4	12	16	220	0	15
CENTRALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	0	3	3	0	0	0	0	1	2	0	0
	DAMAGE	48	5	2	19	13	4	0	0	0	0	13	0	0
	TOTAL	58	7	2	22	16	4	0	0	0	1	15	0	0
DREXEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	0	0	2	1	0	0	0	0	0	1	0	0
	TOTAL	6	0	0	2	1	0	0	0	0	0	1	0	0
EXCELSIOR SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	52	7	2	19	18	1	5	1	1	3	9	0	0
	DAMAGE	167	16	13	44	57	19	1	4	0	0	30	0	1
	TOTAL	219	23	15	63	75	20	6	5	1	3	39	0	1
GLASGOW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	1	1	2	2	0	0	0	0	0	0	0	0
	TOTAL	6	1	1	2	2	0	0	0	0	0	0	0	0
GOWER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	1	0	4	1	0	0	0	0	0	3	0	0
	TOTAL	7	1	0	4	1	0	0	0	0	0	3	0	0
HANNIBAL	FATAL	2	1	0	1	1	1	0	0	0	0	0	0	0
	INJURY	88	15	11	25	28	7	3	0	2	2	17	0	0
	DAMAGE	508	56	21	130	167	39	2	0	0	1	71	1	0
	TOTAL	598	72	32	156	196	47	5	0	2	3	88	1	0
INDEPENDENCE	FATAL	11	6	2	4	5	1	2	0	0	1	4	0	1
	INJURY	827	155	79	223	260	41	30	3	10	24	137	0	11
	DAMAGE	2284	323	98	534	727	122	6	10	1	5	281	0	30
	TOTAL	3122	484	179	761	992	164	38	13	11	30	422	0	42
JEFFERSON CITY	FATAL	4	0	0	0	1	1	0	0	0	0	2	0	0
	INJURY	349	31	13	111	130	25	11	3	4	14	43	0	1
	DAMAGE	1013	85	25	318	305	66	5	6	2	0	120	1	5
	TOTAL	1366	116	38	429	436	92	16	9	6	14	165	1	6
JOPLIN	FATAL	7	3	2	0	3	1	1	0	0	0	4	0	0
	INJURY	367	44	24	105	139	18	19	2	12	17	48	0	1
	DAMAGE	1686	143	44	456	527	97	16	7	4	2	185	0	18
	TOTAL	2060	190	70	561	669	116	36	9	16	19	237	0	19
KANSAS CITY	FATAL	54	30	20	8	10	6	12	0	1	10	19	0	1
	INJURY	3844	835	210	734	974	208	200	23	50	192	703	3	55
	DAMAGE	12903	1815	283	1859	3109	1037	45	68	18	22	1803	3	209
	TOTAL	16801	2680	513	2601	4093	1251	257	91	69	224	2525	6	265
LAKE OZARK	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	35	5	3	11	8	1	1	0	0	0	10	0	0
	DAMAGE	117	19	1	31	44	5	1	1	0	0	15	0	1
	TOTAL	153	24	4	43	53	6	2	1	0	0	25	0	1
LAWSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	21	5	0	12	4	1	0	1	0	0	3	0	0
	TOTAL	22	6	0	12	5	1	0	1	0	0	4	0	0
LEE'S SUMMIT	FATAL	5	1	1	0	3	0	0	0	0	2	1	0	0
	INJURY	353	61	32	136	96	24	18	2	4	6	63	0	11
	DAMAGE	1621	234	69	522	413	118	5	7	2	0	241	0	72
	TOTAL	1979	296	102	658	512	142	23	9	6	8	305	0	83

**TABLE 4.0.2**

**2009 MISSOURI TRAFFIC CRASHES  
MULTI-COUNTY CITY SUMMARY<sup>1</sup>**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MALDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	4	1	6	4	0	0	0	0	1	3	0	0
	DAMAGE	60	7	5	21	17	5	0	0	0	0	9	0	0
	TOTAL	74	11	6	27	21	5	0	0	0	1	12	0	0
MONETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	3	1	10	6	3	1	0	2	0	6	0	0
	DAMAGE	154	21	11	47	47	18	2	1	0	0	29	0	0
	TOTAL	181	24	12	57	53	21	3	1	2	0	35	0	0
MONROE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	36	1	3	10	10	2	0	0	0	0	8	0	0
	TOTAL	38	2	3	10	11	2	0	0	0	0	9	0	0
OSAGE BEACH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	73	2	2	19	36	5	2	1	0	0	6	0	5
	DAMAGE	253	28	3	65	119	42	0	0	0	0	21	0	15
	TOTAL	326	30	5	84	155	47	2	1	0	0	27	0	20
PACIFIC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	12	1	9	8	2	1	0	1	0	11	0	1
	DAMAGE	129	25	2	48	24	15	0	3	0	0	30	0	5
	TOTAL	160	37	3	57	32	17	1	3	1	0	41	0	6
REPUBLIC	FATAL	1	1	1	1	0	0	1	0	0	0	0	0	0
	INJURY	74	20	9	18	20	6	3	3	0	1	15	0	2
	DAMAGE	188	18	1	59	59	12	0	0	0	0	26	0	0
	TOTAL	263	39	11	78	79	18	4	3	0	1	41	0	2
RICHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	0	2	1	0	0	0	0	0	2	0	0
	DAMAGE	16	1	0	4	9	0	0	0	0	0	1	0	0
	TOTAL	19	3	0	6	10	0	0	0	0	0	3	0	0
ROGERSVILLE	FATAL	2	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	23	3	2	8	9	2	0	0	0	0	1	0	0
	DAMAGE	60	7	0	16	18	9	1	0	0	0	3	0	0
	TOTAL	85	11	2	24	27	11	1	0	0	0	5	0	0
SIKESTON	FATAL	2	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	105	10	6	26	33	5	3	0	1	8	16	0	0
	DAMAGE	395	23	8	99	142	37	1	1	0	0	56	1	2
	TOTAL	502	34	14	125	175	42	4	1	1	8	73	1	2
SUGAR CREEK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	4	3	1	2	1	0	0	1	2	3	0	1
	DAMAGE	60	15	2	7	13	6	0	0	0	0	24	0	4
	TOTAL	72	19	5	8	15	7	0	0	1	2	27	0	5
SULLIVAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	3	2	9	16	1	1	0	2	1	3	0	1
	DAMAGE	96	8	1	31	44	8	0	0	0	0	11	0	2
	TOTAL	128	11	3	40	60	9	1	0	2	1	14	0	3
WINDSOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	23	4	0	8	7	4	0	0	1	0	9	0	0
	TOTAL	24	5	0	9	7	4	0	0	1	0	9	0	0

<sup>1</sup> All traffic crash activity occurring in cities having jurisdictional boundaries in more than one county is presented in this data display. The total crash activity for each multi-county city is presented in this display.

**TABLE 4.0.2**

## GLOSSARY

**BICYCLE INVOLVED TRAFFIC CRASH:** Any crash in which one or more bicycles were directly involved in the incident.

**COMMERCIAL MOTOR VEHICLE INVOLVED TRAFFIC CRASH:** Any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having 6 or more tires on the power unit, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards.

**CONSTRUCTION / OTHER WORK ZONE INVOLVED TRAFFIC CRASH:** Any crash in which one or more of the traffic controls directly associated with the incident was a construction or other work zone.

**DEATH RATE:** The number of deaths resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

**DRINKING INVOLVED TRAFFIC CRASH:** Any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. As a result, this under-reporting should be taken into consideration when reviewing drinking involved data presented in this Compendium.

**FATAL TRAFFIC CRASH:** A crash in which one or more persons were killed as a result of the crash and their death(s) occurred within 30 days of the incident. From 1979 - 1987, a crash would be classified as a fatal if their death(s) occurred within 90 days of the incident.

**FIXED OBJECT TRAFFIC CRASH:** Any traffic crash whose first harmful event involved a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are **not** included in this definition of terms.

**HAZARDOUS MATERIAL INVOLVED TRAFFIC CRASH:** Any crash in which one or more vehicles involved in the incident were carrying hazardous materials.

**INJURY RATE:** The number of deaths and injuries resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths and injuries} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

**MOTORCYCLE INVOLVED TRAFFIC CRASH:** Any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are **not** considered motorcycles under this definition of terms.



**OLDER DRIVER INVOLVED TRAFFIC CRASH:** Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years of age or older.

**PEDESTRIAN INVOLVED TRAFFIC CRASH:** Any crash in which one or more pedestrians were directly involved in the crash.

**PERSONAL INJURY TRAFFIC CRASH:** Any crash in which no person was killed but one or more persons were injured in the incident.

**PROPERTY DAMAGE TRAFFIC CRASH:** Any crash in which no person was killed or injured but property was damaged in the incident.

**QUARTILE:** The value that marks the boundary between two consecutive intervals in a frequency distribution of four intervals with each containing one quarter of the total population.

**RATE OF CHANGE:** The formula is:

$$\frac{\text{Value in Current Period} - \text{Value in Base Period}}{\text{Value in Base Period}} \times 100$$

**RURAL AREA:** Any community of less than 5,000 population or an unincorporated area of the State.

**SCHOOL BUS INVOLVED TRAFFIC CRASH:** Any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash.

**SPEED INVOLVED TRAFFIC CRASH:** Any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash.

**URBAN AREA:** Any community in the State having a population of 5,000 or more.

**YOUNG DRIVER INVOLVED TRAFFIC CRASH:** Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21.